

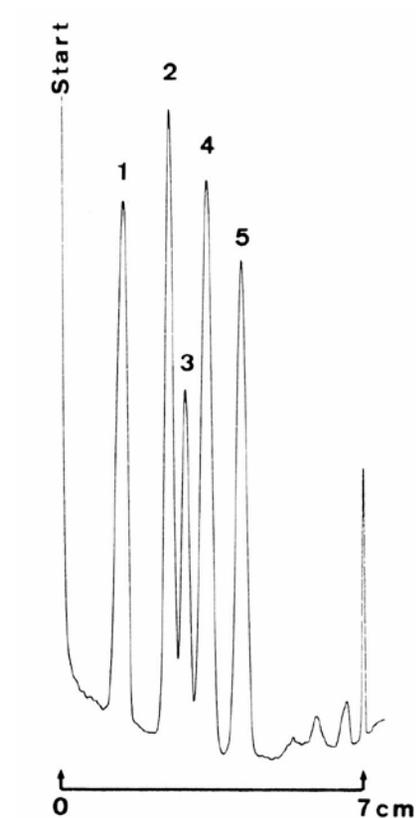


Thin Layer Chromatography Application Compilation



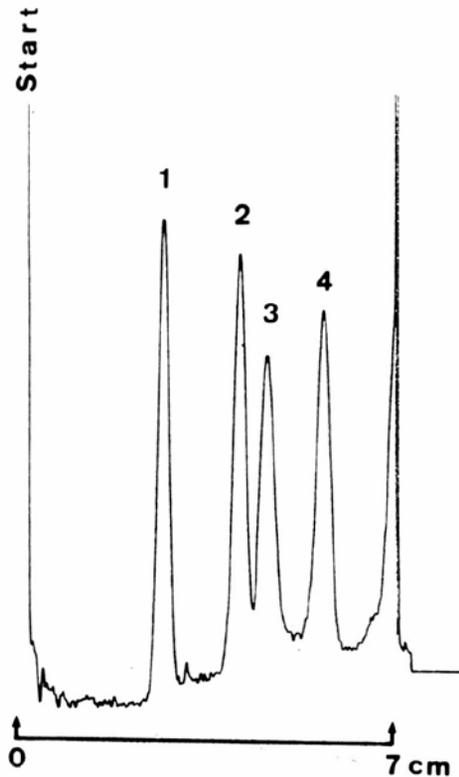
Separation of nucleosides

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Water/ethanol 95/5 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Adenosine 2. Guanosine 3. Inosine 4. Cytidine 5. Uridine (all 0,005%)
Application volume	5 µl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



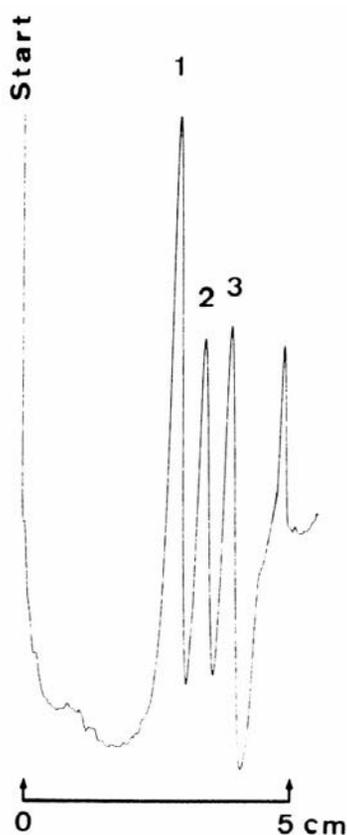
Separation of plasticizers

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Methanol/water 80/20 (v/v) with addition of 0,1 mol/l LiCl
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Dibutyl phthalate 2. Diethyl phthalate 3. Dimethyl phthalate 4. Phthalic acid (all 0,05%)
Application volume	2 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of nucleosidemonophosphates

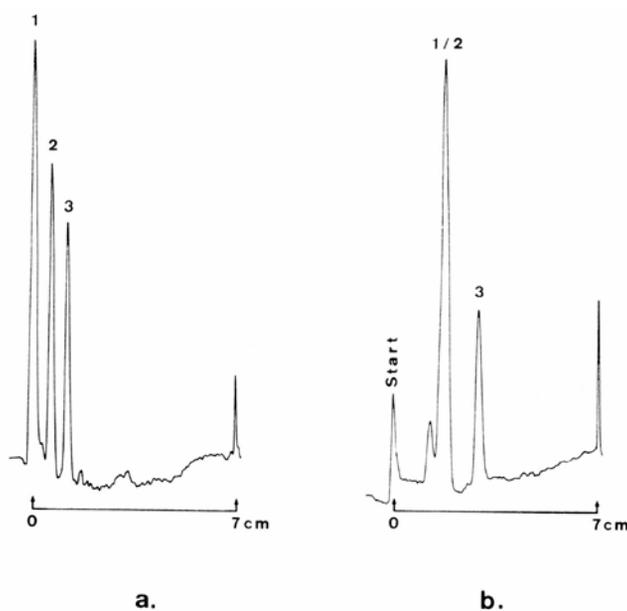
Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Water with addition of 0,2 mol/l l-butanefulfonic acid sodium salt
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. AMP 2. GMP 3. IMP (all 0,01%)
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 260 nm



The effect of stabilizer in chloroform on the separation of steroids

HPTLC Silica gel 60 RP-18 WF254s

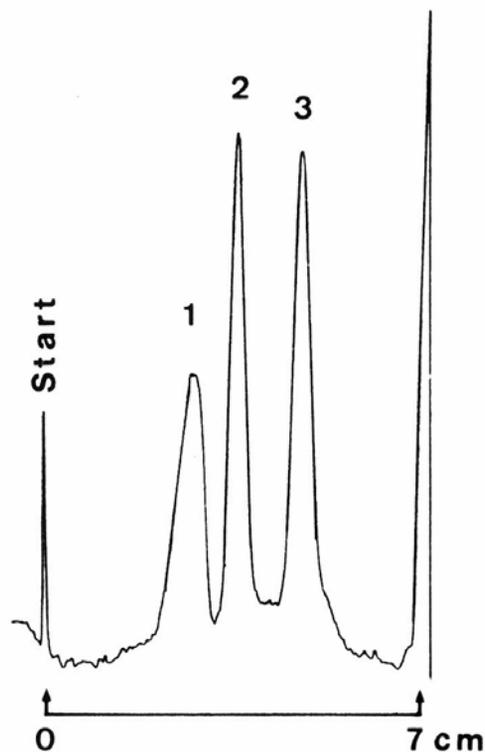
Plate	HPTLC pre-coated plate RP-18 WF 254s (1.13124)
Eluent	Chloroform a. Stabilizer: 2-methyl-2-buten b. Stabilizer: ethanol
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Diosgenin 2. β -Sitosterol 3. Lanosterol (all 0,2%)
Application volume	200 nl
Detection	Spray reagent: $MnCl_2$ -sulfuric acid heating up to 110°C for 5 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of ingredients in analgesics

HPTLC Silica gel 60 RP-18 WF254s

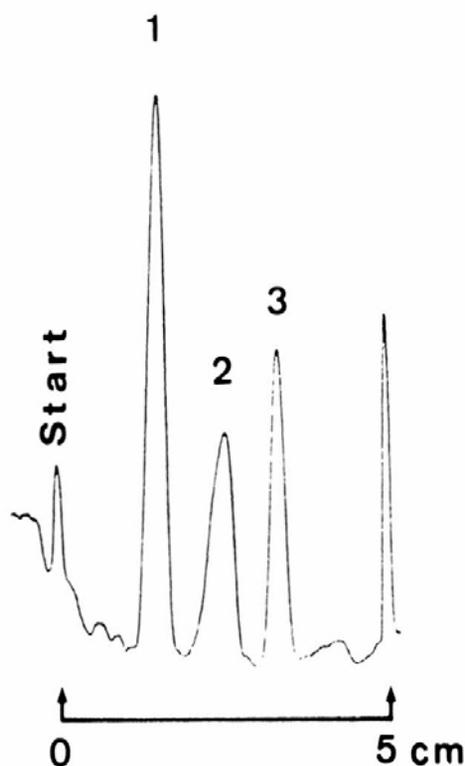
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Methanol/buffer solution pH 7/water 60/20/20 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Codeine (0,35%) 2. Phenacetin (0,10%) 3. Acetylsalicylic acid (0,50%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of ingredients in analgesics

HPTLC Silica gel 60 RP-18 WF254s

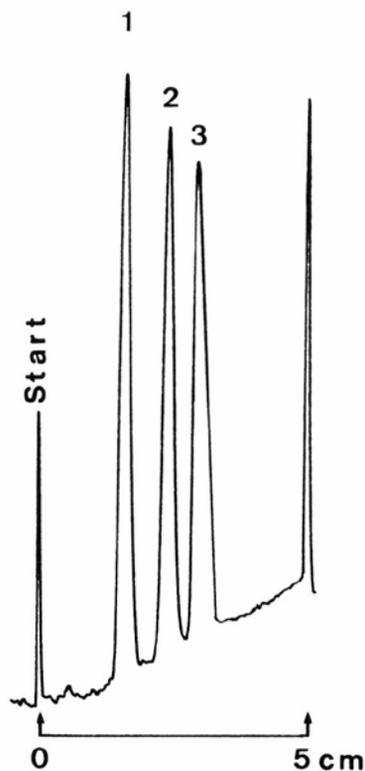
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Methanol/water 30/70 (v/v) with addition of 0,1 mol/l TMABr
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ethymorphine hydrochloride (0,1%) 2. Scopolamine (3,0%) 3. Morphine hydrochloride (0,3%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of ingredients in analgesics

HPTLC Silica gel 60 RP-18 WF254s

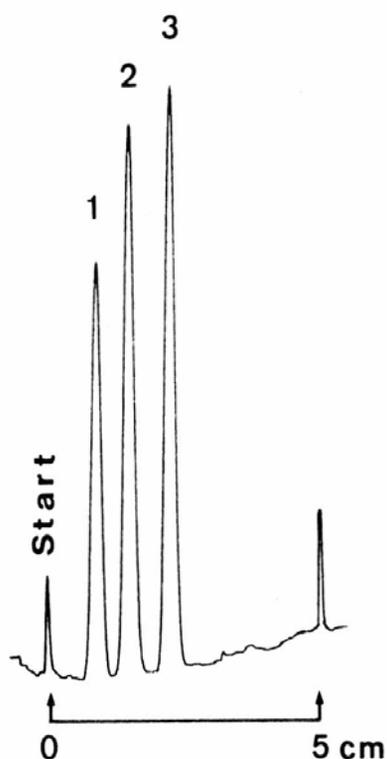
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/water 40/60 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Phenacetin (0,2%) 2. Caffeine (0,3%) 3. Acetylsalicylic acid (0,5%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm



Separation of ingredients in analgesics

HPTLC Silica gel 60 RP-18 WF254s

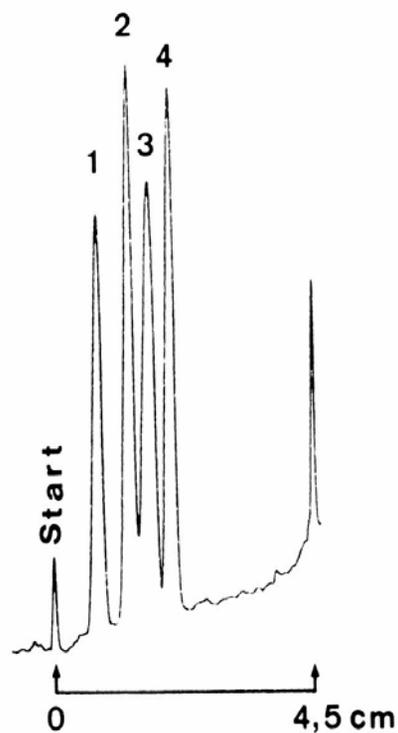
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/water 40/60 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Propyphenazone (0,2%) 2. Phenacetin (0,2%) 3. Caffeine (0,3%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm



Separation of ingredients in analgesics

HPTLC Silica gel 60 RP-18 WF254s

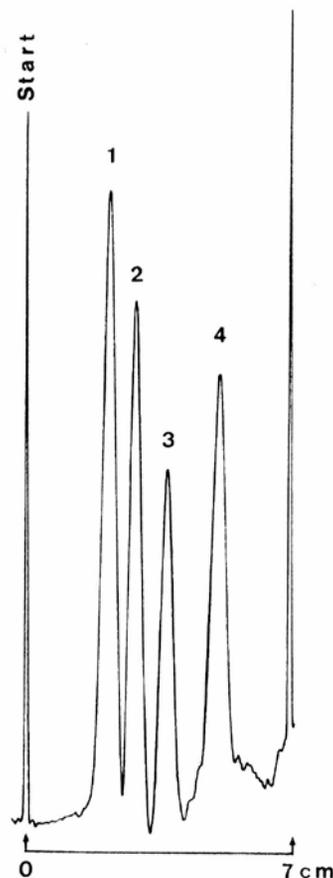
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/water 40/60 (v/v) with addition of 0,1 mol/l ammonium bromide
Migration Distance	4,5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Propyphenazone (0,2%) 2. Phenacetin (0,2%) 3. Sodium benzoate (1,0%) 4. Caffeine (0,3%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm



Separation of benzoic acids

HPTLC Silica gel 60 RP-18 WF254s

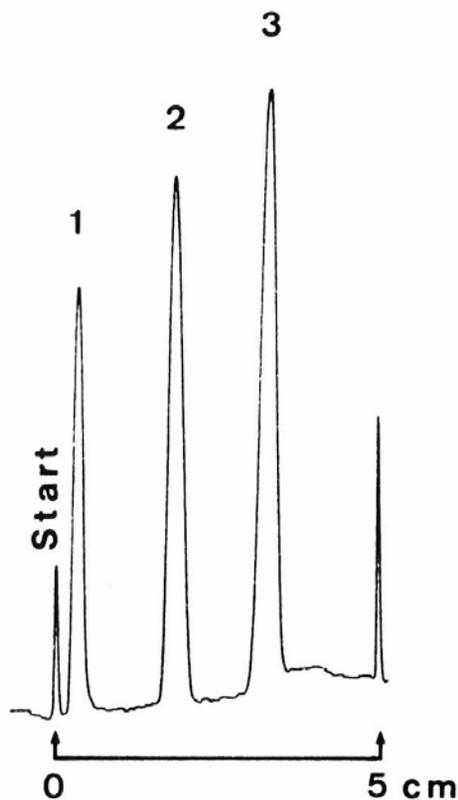
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetone/water 40/60 (v/v) with addition of 0,1 mol/l TMACI
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 2-Methylbenzoic acid (0,5%) 2. Benzoic acid (1,0%) 3. Acetylsalicylic acid (0,5%) 4. Phthalic acid (1,0%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of ingredients in dermatics

HPTLC Silica gel 60 RP-18 WF254s

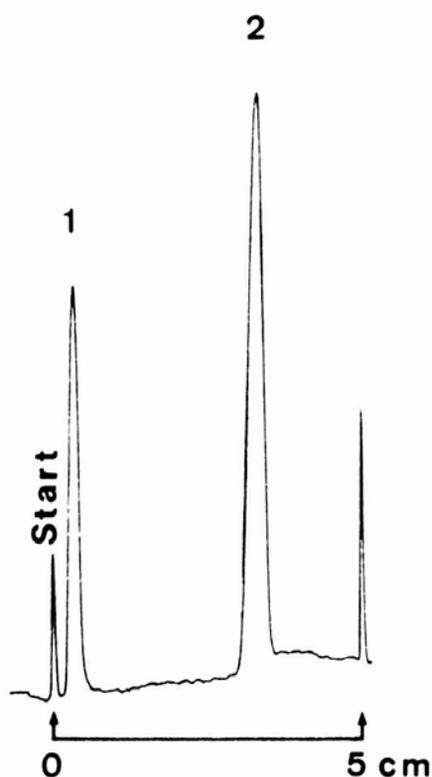
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Chloroform/methanol 95/5 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber with chamber saturation
Compounds	1. Prednisolone 2. Estradiol 3. Linolic acid (all 0,2%)
Application volume	200 nl
Detection	Spray reagent: MnCl ₂ - sulfuric acid heating up to 100°C for 10 min. In-situ evaluation with TLC/HPTLC scanner (Camag) λ 500 nm



Separation of ingredients in dermatics

HPTLC Silica gel 60 RP-18 WF254s

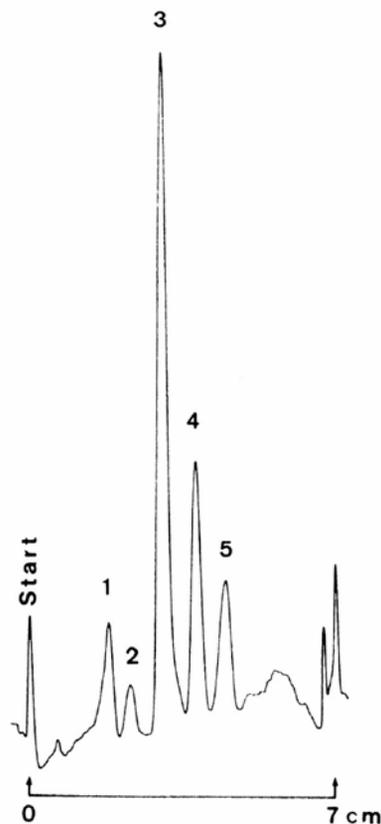
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Chloroform/methanol 95/5 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber with chamber saturation
Compounds	1. Prednisolone 2. Linolic acid (all 0,2%)
Application volume	200 nl
Detection	Spray reagent: MnCl_2 - sulfuric acid heating up to 100°C for 10 min. In-situ evaluation with TLC/HPTLC scanner (Camag) λ 500 nm



Separation of ingredients in expectorants

HPTLC Silica gel 60 RP-18 WF254s

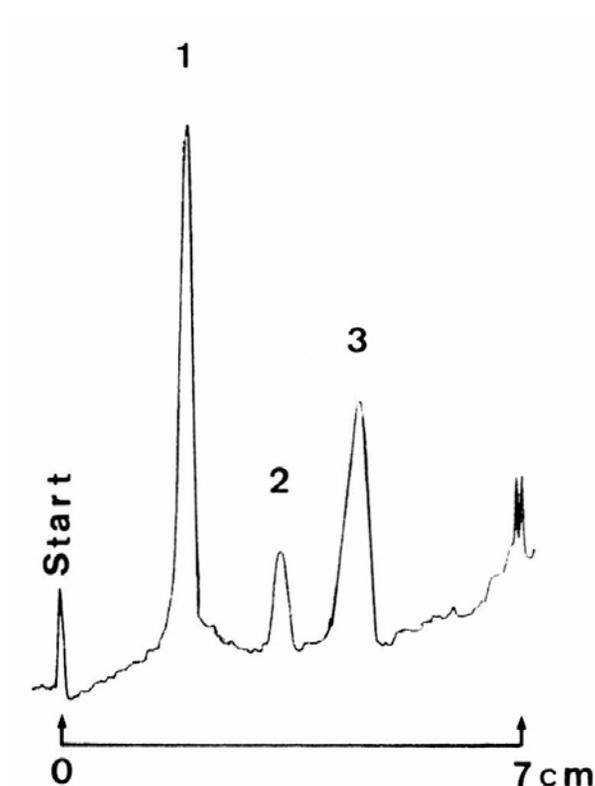
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/water 30/70 (v/v) with addition of 0,1 mol/l TEACl
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Diphenhydramine hydrochloride (0,5%) 2. Atropine (3,0%) 3. Caffeine (0,1%) 4. Theophylline (0,2%) 5. Ephedrine hydrochloride (5,0%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of ingredients in expectorants

HPTLC Silica gel 60 RP-18 WF254s

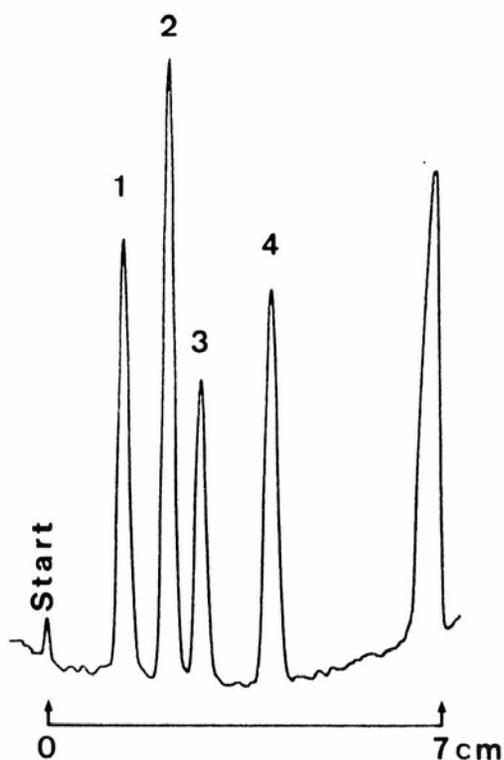
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/water 30/70 (v/v) with addition of 0,1 mol/l TEACl
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Theophylline (0,2%) 2. Ephedrine hydrochloride (5,0%) 3. Phenobarbital (0,5%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 220 nm



Separation of ingredients in expectorants

HPTLC Silica gel 60 RP-18 WF254s

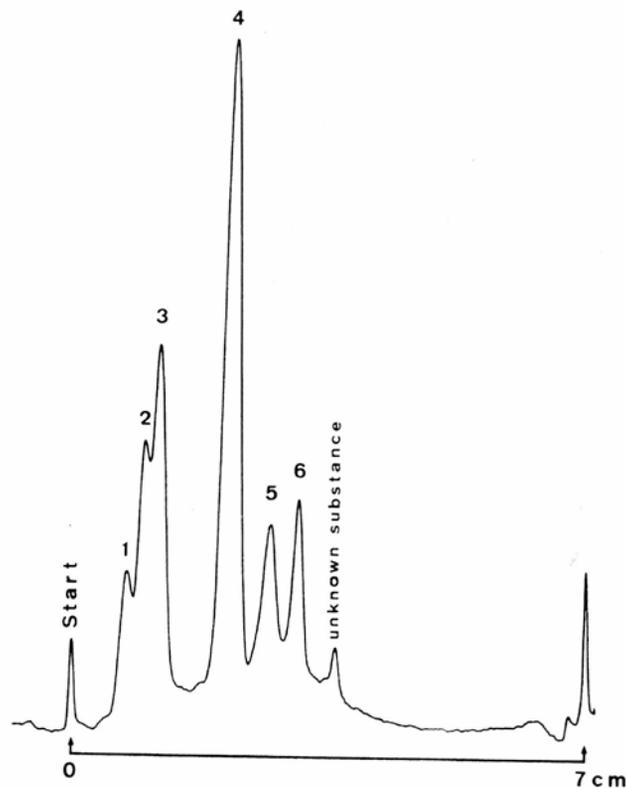
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/water 40/60 (v/v) with addition of 0,1 mol/l TMABr
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Propyphenazone (0,2%) 2. Papaverine (0,1%) 3. Phenobarbital (0,5%) 4. Theophylline (0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm



Separation of Fmoc-peptides

HPTLC Silica gel 60 RP-18 WF254s

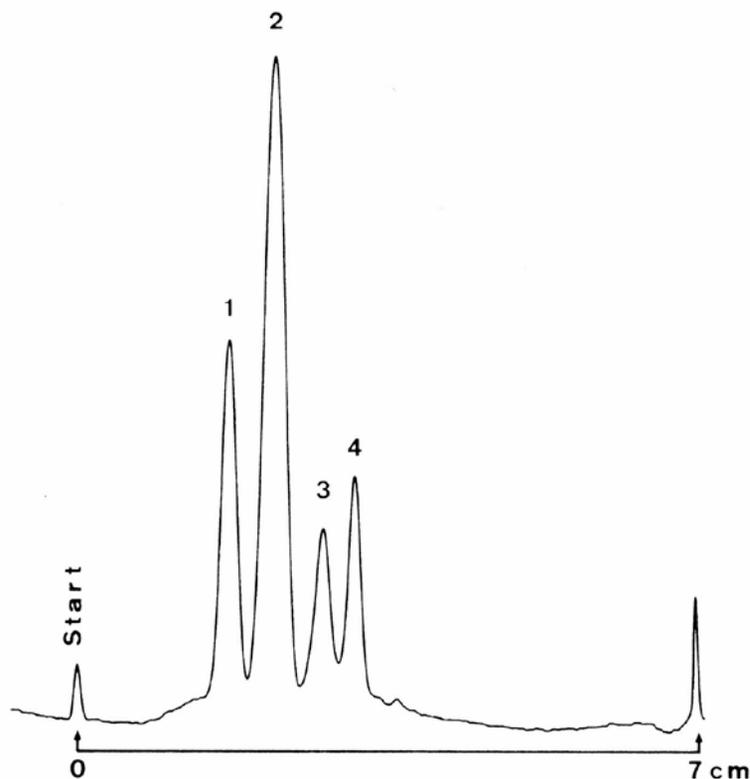
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/water 50/50 (v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Fmoc-Leu-Leu-Leu 2. Fmoc-Leu-Leu 3. Fmoc-Leucine 4. Fmoc-Glycine 5. Fmoc-Gly-Gly-Gly 6. Fmoc-Gly-Gly-Gly-Gly-Gly-Gly (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of Fmoc-peptides

HPTLC Silica gel 60 RP-18 WF254s

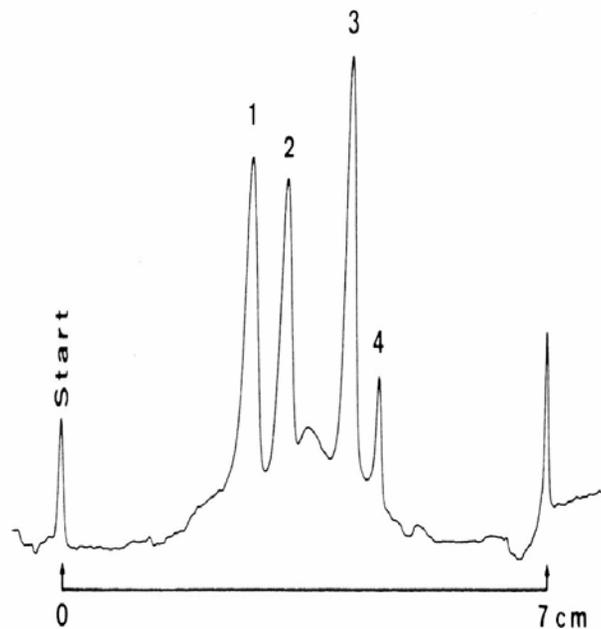
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/water 50/50 (v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Fmoc-Phe-Gly 2. Fmoc-Phe-Gly-Gly 3. Fmoc-Gly-Gly-Gly 4. Fmoc-Gly-Gly-Gly-Gly-Gly-Gly (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of Fmoc-peptides

HPTLC Silica gel 60 RP-18 WF254s

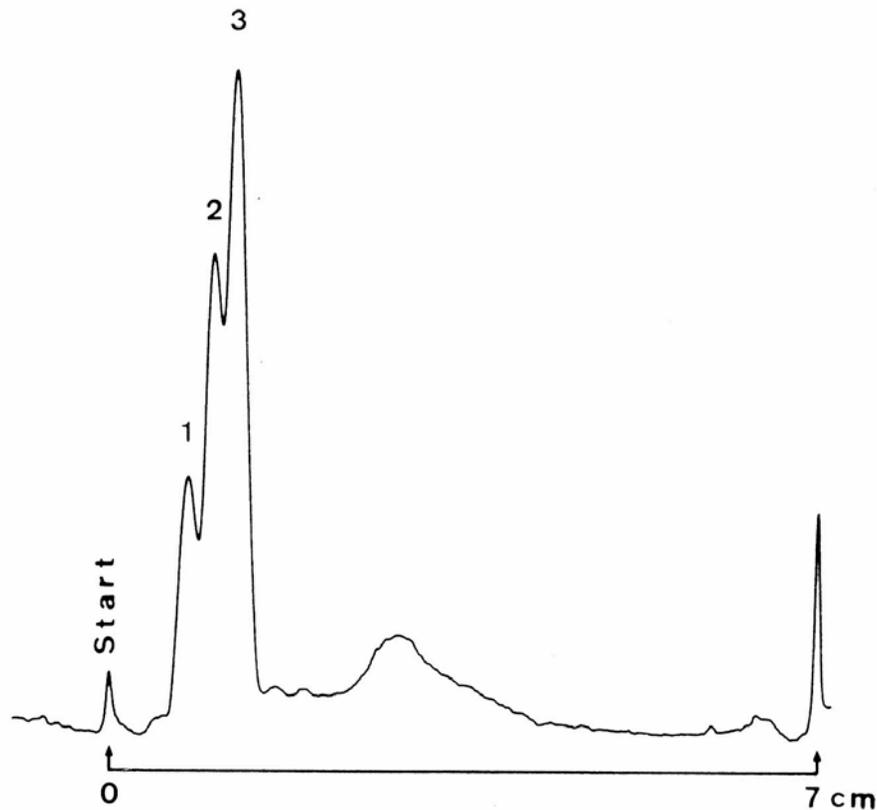
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/water 60/40 (v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Fmoc-Gly-Phe 2. Fmoc-Gly-Phe-Gly 3. Fmoc-Gly-Gly-Gly 4. Fmoc-Gly-Gly-Gly-Gly-Gly-Gly (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of Fmoc-peptides

HPTLC Silica gel 60 RP-18 WF254s

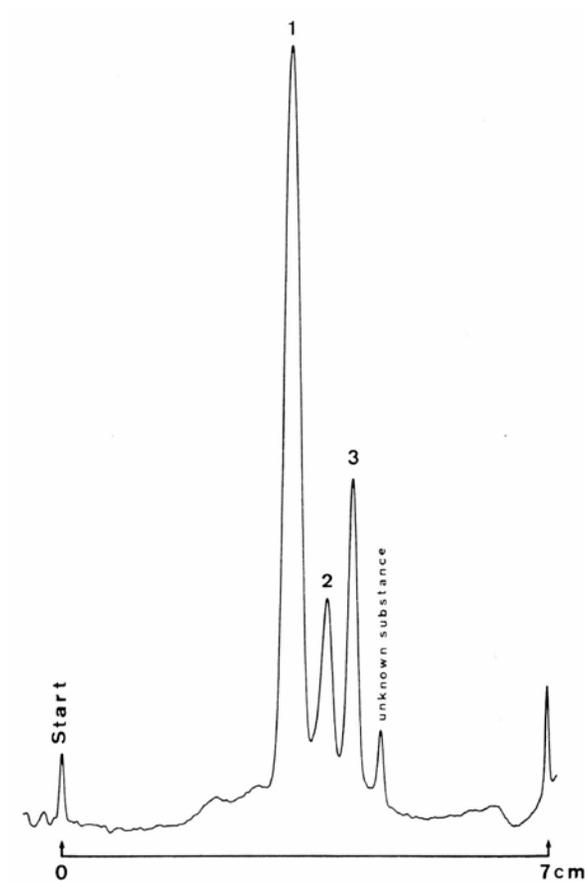
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/water 50/50 (v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Fmoc-Leu-Leu-Leu 2. Fmoc-Leu-Leu 3. Fmoc-Leucine (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of Fmoc-peptides

HPTLC Silica gel 60 RP-18 WF254s

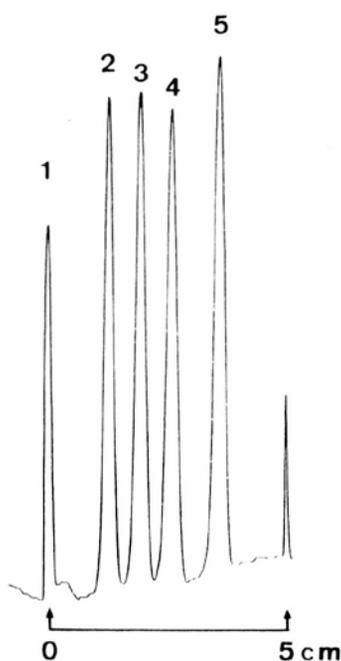
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/water 60/40 (v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Fmoc-Glycine 2. Fmoc-Gly-Gly-Gly 3. Fmoc-Gly-Gly-Gly-Gly-Gly-Gly (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of gallic acid and some of its esters

HPTLC Silica gel 60 RP-18 WF254s

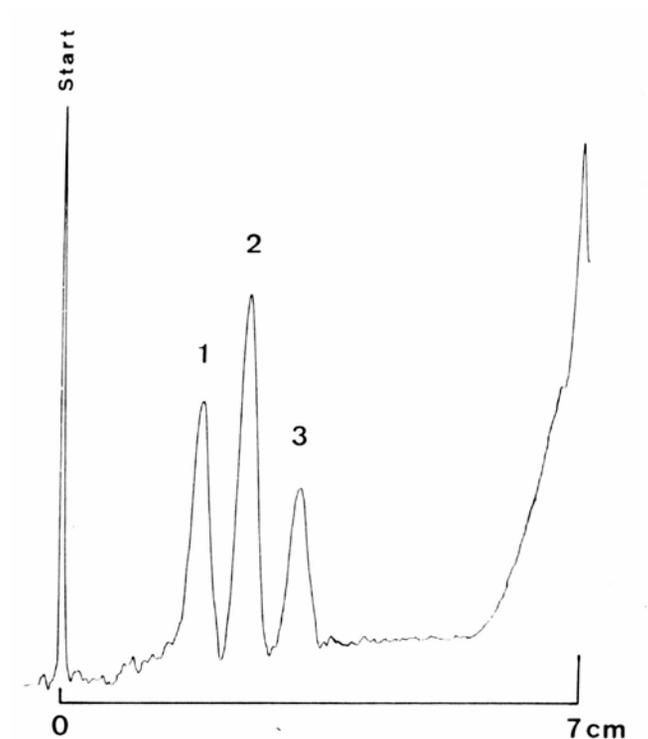
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Methanol/1N acetic acid 30/70 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Dodecyl gallate 2. Butyl gallate 3. Ethyl gallate 4. Methyl gallate 5. Gallic acid (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of morphine derivatives by ion-pair chromatography

TLC Silica gel RP-18 F254s

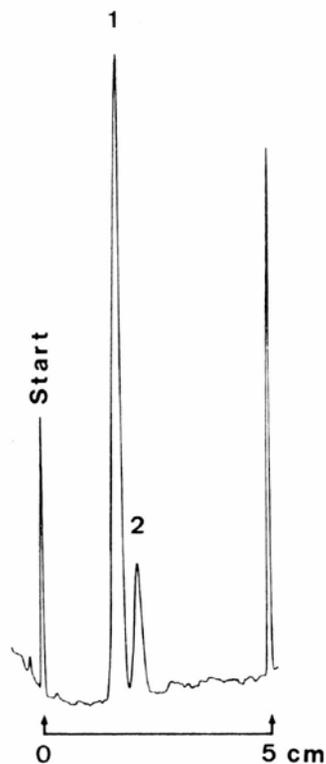
Plate	TLC pre-coated plate RP-18 F 254s (P/N: 1.15389, Alternative P/N: 1.15423)
Eluent	Acetone/water 40/60 (v/v) with addition of 0,1 mol/l heptanesulfonic acid sodium salt
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Dionin (Ethylmorphine) 2. Codeine (Methylmorphine) 3. Morphine hydrochloride
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of hormones (drug for the climacteric period)

HPTLC Silica gel 60 RP-18 WF254s

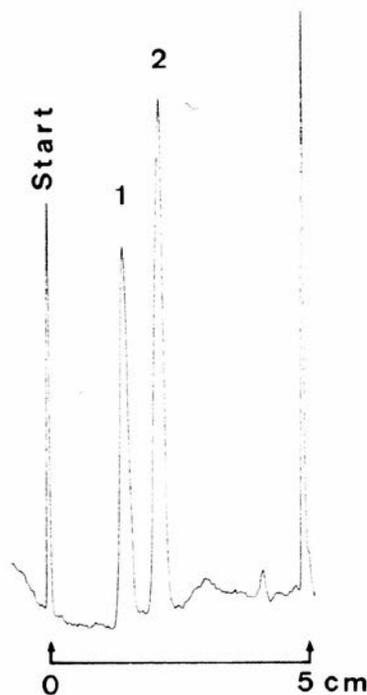
Plate	HPTLC pre-coated plate RP-18w F 254s
Eluent	Acetonitrile/water 60/40 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Testosterone 2. Estradiol (all 0,2%)
Application volume	200 nl
Detection	Spray reagent: $MnCl_2$ - sulfuric acid heating up to 110°C for 5 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of hormones (drug for the climacteric period)

HPTLC Silica gel 60 RP-18 WF254s

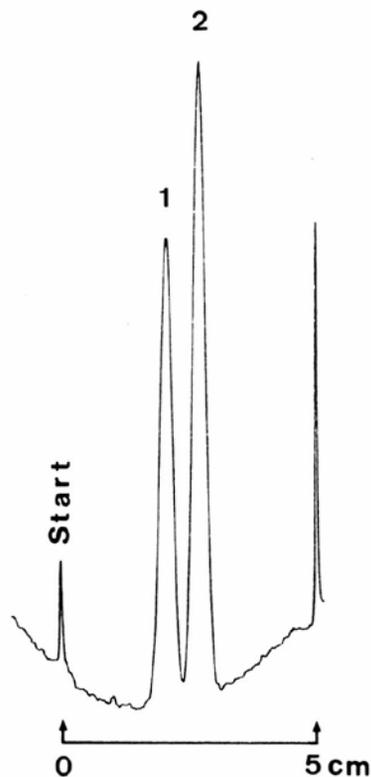
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/water 60/40 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Methyltestosterone 2. 17 α -Ethinylestradiol (all 0,1%)
Application volume	200 nl
Detection	Spray reagent: MnCl ₂ - sulfuric acid heating up to 110°C for 5 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of nicotinic acid and iso-nicotinic acid

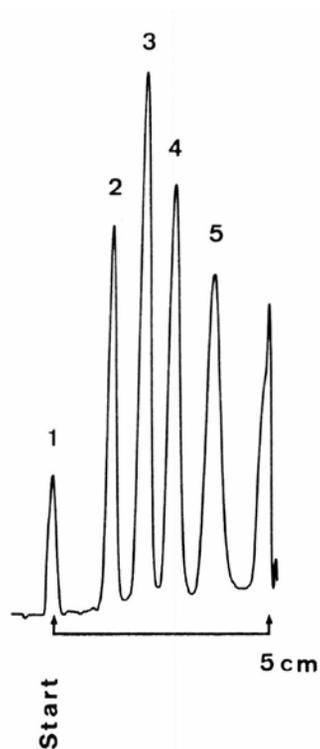
HPTLC Silica gel 60 RP-18 WF254s

Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Water, with addition of 0,1 mol/l LiCl
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Nicotinic acid (0,2%) 2. iso-Nicotinic acid (0,5%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



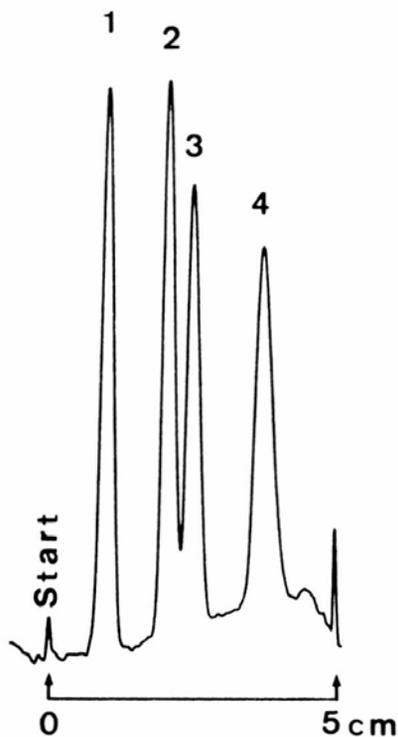
Separation of sulfonamides

Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/methanol/water 20/20/60 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Trimethoprin 2 Sulfadimethoxine 3 Sulfamethoxazole 4 Sulfathiazole 5 Sulfanilamide (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



Separation of sulfonamides

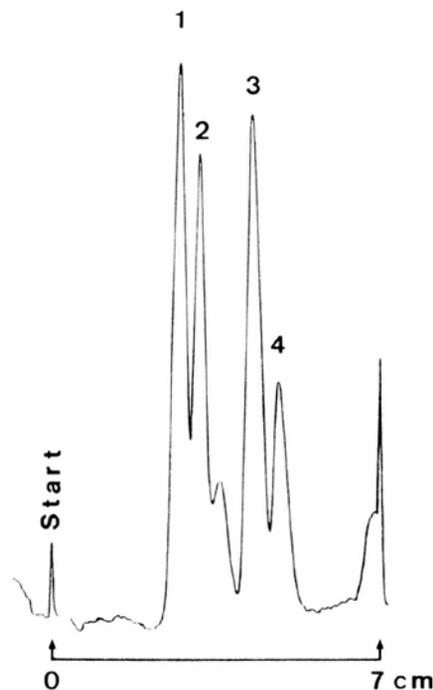
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Methanol/water 60/40 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 4-Aminoantipyrin 2. Sulfamethazine 3. Sulfapyridine 4. Sulfaguanidine (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



Separation of terephthalic acid and reaction products

HPTLC Silica gel 60 RP-18 WF254s

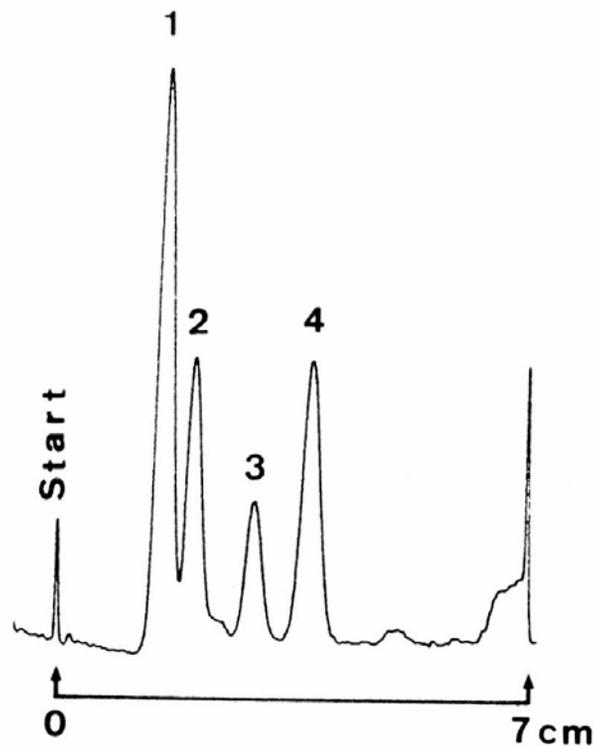
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Methanol/acetonitrile/water 20/30/50 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. p-Methylbenzoic acid 2. Benzyl alcohol 3. Terephthalaldehydic acid 4. Terephthalic acid (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of barbiturates

HPTLC Silica gel 60 RP-18 WF254s

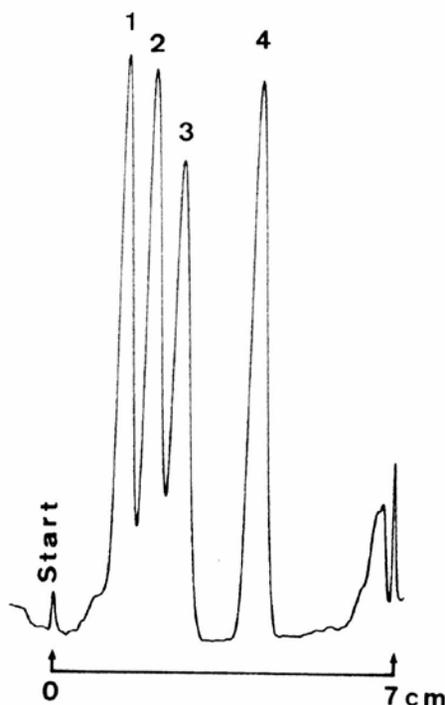
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Methanol/ water 60/40 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Revonal (0,5%) 2. Thiogental (0,3%) 3. Prominal (0,7%) 4. Luminal (0,7%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm



Separation of p-hydroxybenzoic acid and some of its esters

HPTLC Silica gel 60 RP-18 WF254s

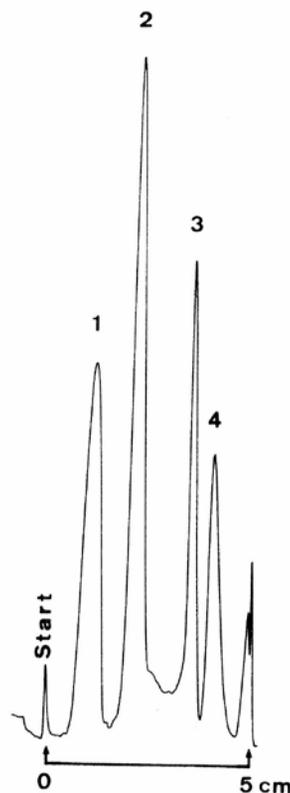
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetone/water 50/50 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. PHB 2. PHS - methyl ester 3. PHB - ethylester 4. PHB - propyl ester (all 0,1%)
Application volume	100 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



Separation of nucleobases

HPTLC Silica gel 60 RP-18 WF254s

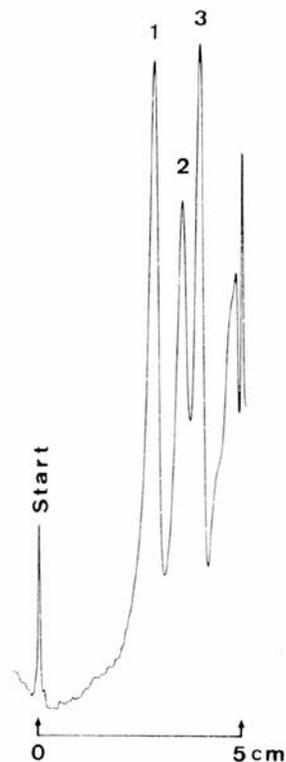
Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Acetonitrile/water 60/40 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Cytosine 2. Adenine 3. Guanine 4. Uracil (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of nucleosidemonophosphates

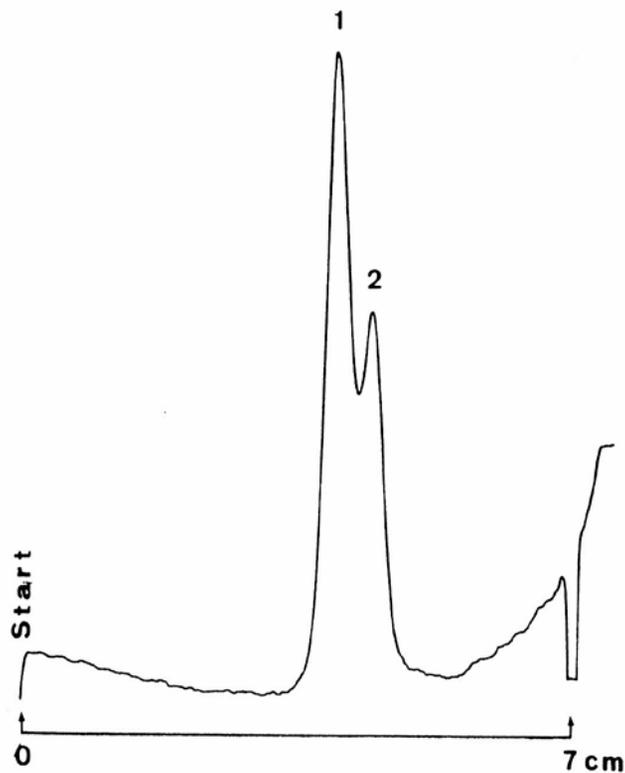
HPTLC Silica gel 60 RP-18 WF254s

Plate	HPTLC pre-coated plate RP-18w F 254s (1.13124)
Eluent	Water with addition of 0,2 mol/l butanesulfonic acid sodium salt
Migration Distance	5 cm
Chamber	Normal chamber with chamber saturation
Compounds	1. AMP 2. GMP 3. IMP (all 0,01%)
Application volume	20 µl (streakwise)
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 260 nm



Separation of cholesterol and sitosterol

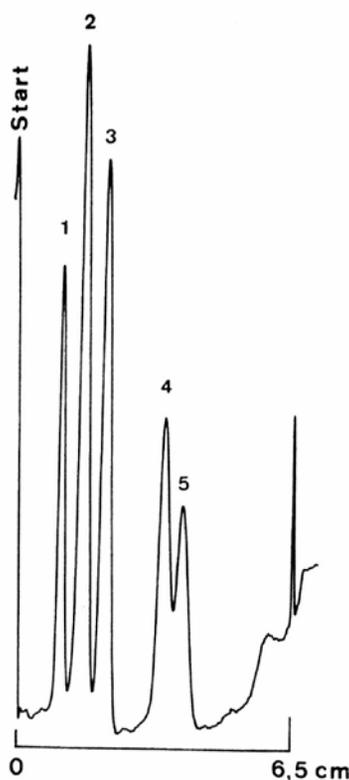
Plate	HPTLC pre-coated plate RP-18 with concentrating zone (1.15498)
Eluent	Cyclohexane/ethyl acetate/acetonitrile 60/30/10 (v/v/v) Temperature of development: +10°C
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Cholesterol 2. Sitosterol (all 0,02%)
Application volume	5 µl
Detection	MnCl ₂ - sulfuric acid (spray reagent) heating up to 120° C UV 366 nm



Separation of some polynuclear aromatic hydrocarbons for analysis of water and environment

HPTLC Silica gel 60 RP-18 F254s

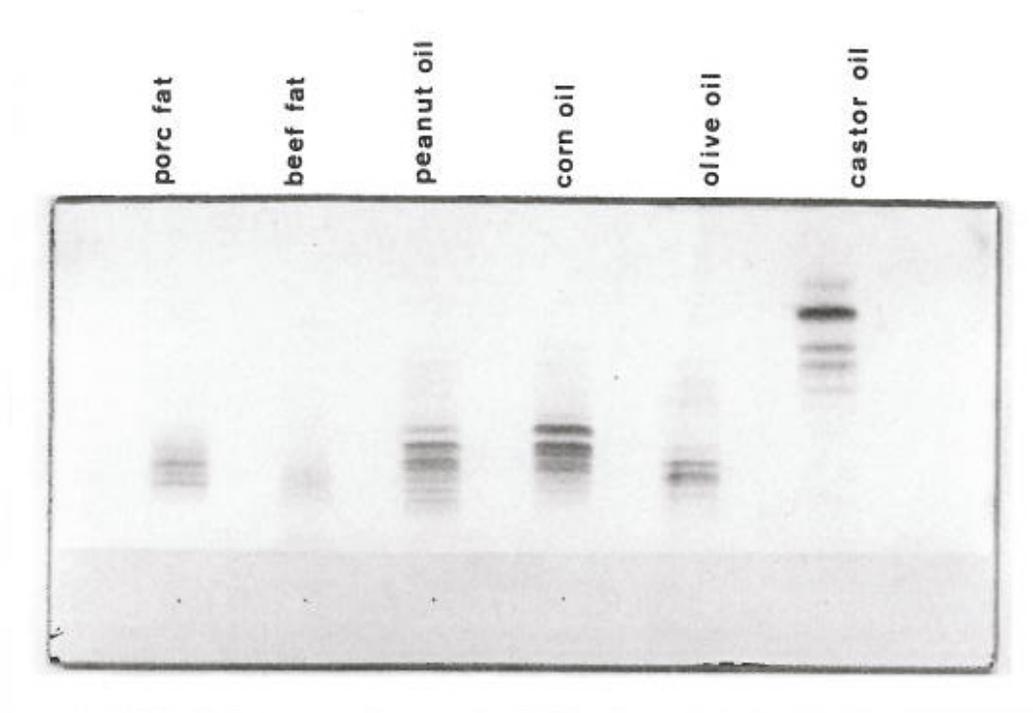
Plate	HPTLC pre-coated plate RP-18 F 254s with concentrating zone (1.15498)
Eluent	Acetonitrile/methanol 50/50 (v/v) temperature of development: -18°C
Migration Distance	6,5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Benzo(e)pyrene 2. Chrysene 3. Triphenylene 4. Phenanthrene 5. Fluorene
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of fats and oils

HPTLC Silica gel 60 RP-18 F254s

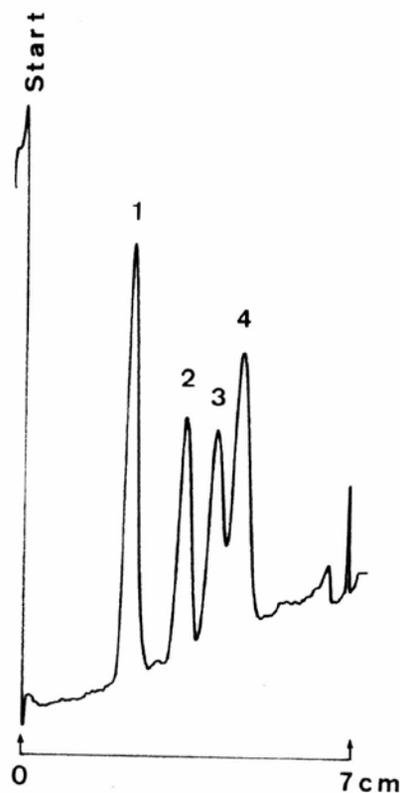
Plate	HPTLC pre-coated plate RP-18 F 254s with concentrating zone (1.15498)
Eluent	Acetone/acetonitrile/chloroform 50/40/20 (v/v/v)
Migration Distance	7,5 cm
Chamber	Normal chamber with chamber saturation
Application volume	5 µl (10mg/5ml)
Detection	Dipped in 1% molybdato-phosphoric acid in methanol heating up to 110°C



Separation of chlorophenols

HPTLC Silica gel 60 RP-18 F254s

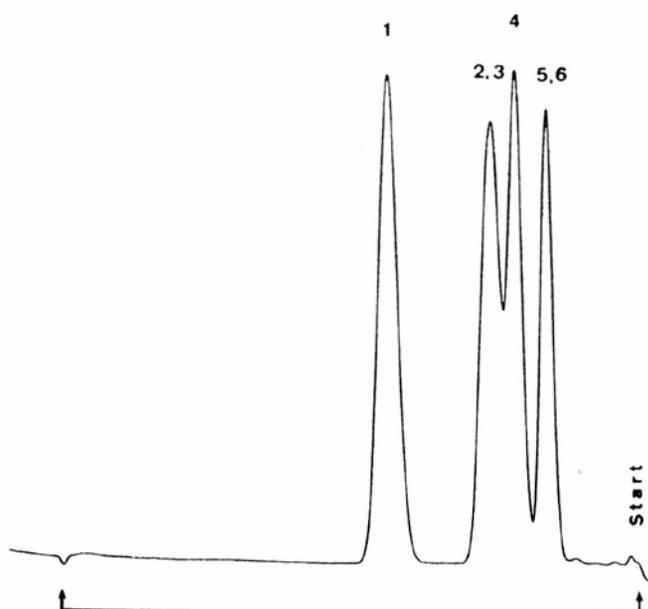
Plate	HPTLC pre-coated plate RP-18 F 254s with concentrating zone (1.15498)
Eluent	Methanol/water 90/10 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Pentachlorophenol 2. 2,4,6-Trichlorophenol 3. 2,4-Dichlorophenol 4. 4-Chlorophenol (all 0,1%)
Application volume	2 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of polycyclic aromatic hydrocarbons

HPTLC Silica gel 60 RP-18 F254s

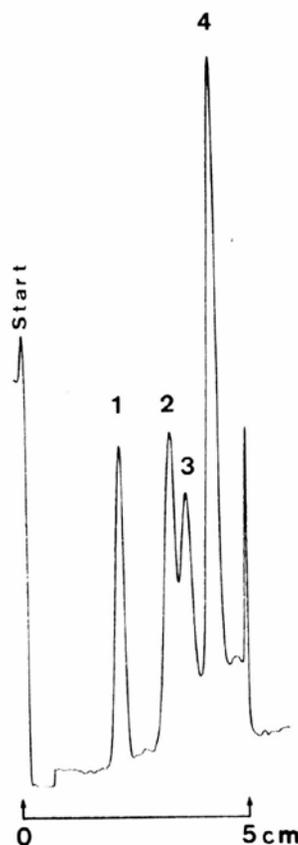
Plate	HPTLC pre-coated plate RP-18 F 254s with concentrating zone (1.15498)
Eluent	Acetonitrile/methylene chloride/water 90/10/10 (v/v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Fluoranthene 2. Benzo(b)fluoranthene 3. Benzo(k)fluoranthene 4. Benzo(a)pyrene 5. Benzo(g,h, i)perylene 6. Indeno(1,2,3-cd)pyrene (all 0,05%)
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm



Separation of plasticizers

HPTLC Silica gel 60 RP-18 F254s

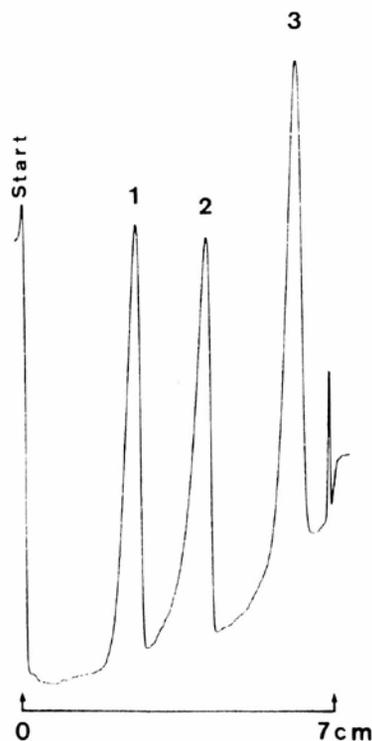
Plate	HPTLC pre-coated plate RP-18 F 254s with concentrating zone (1.15498)
Eluent	Acetonitrile/methanol/water 45/45/10 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber with chamber saturation
Compounds	1. Dibutyl phthalate 2. Diethyl phthalate 3. Dimethyl phthalate 4. Phthalic acid (all 0,2%)
Application volume	1 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



Separation of water soluble vitamins

HPTLC Silica gel 60 RP-18 F254s

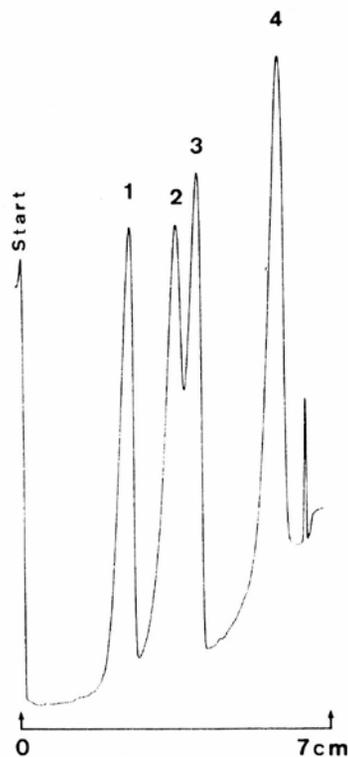
Plate	HPTLC pre-coated plate RP-18 F 254s with concentrating zone (1.15498)
Eluent	Acetonitrile/dichlormethane/water 90/10/10 (v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Nicotin amide 2. Nicotinic acid 3. L-Ascorbic acid (all 0,05%)
Application volume	1 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



Separation of water soluble vitamins

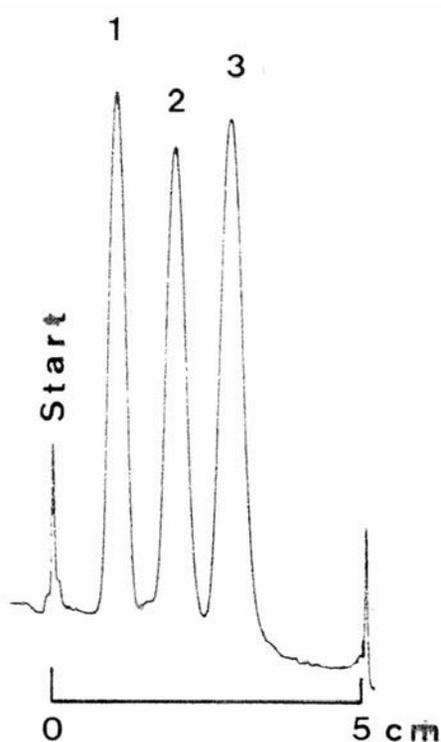
HPTLC Silica gel 60 RP-18 F254s

Plate	HPTLC pre-coated plate RP-18 F 254s with concentrating zone (1.15498)
Eluent	Acetonitrile/dichlormethane/water 90/10/10 (v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Nicotin amide 2. Iso-Nicotinic acid 3. Nicotinic acid 4. L-Ascorbic acid (all 0,05%)
Application volume	1 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



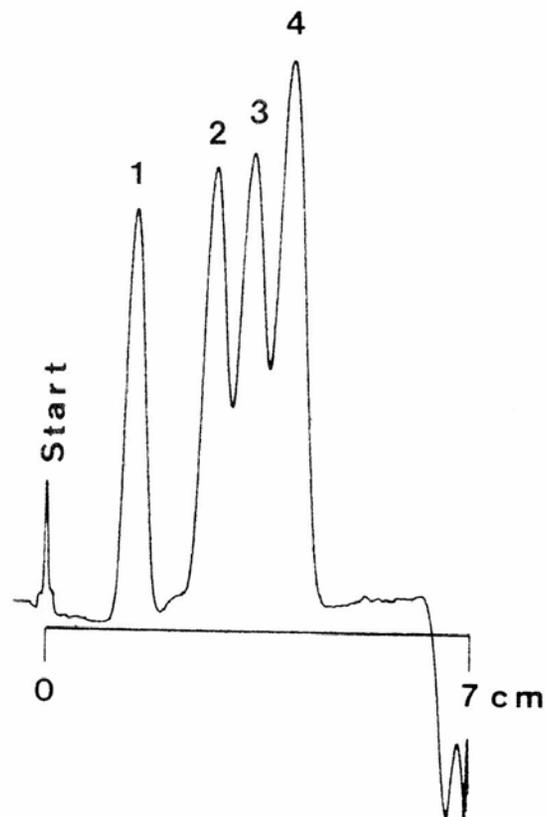
Separation of some chlorophenols

Plate	HPTLC pre-coated plate RP-2 F 254s (1.05747)
Eluent	Methanol/water 70/30 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Pentachlorophenol 2. 2,4,6-Trichlorophenol 3. 4-Chlorophenol
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some chlorophenols

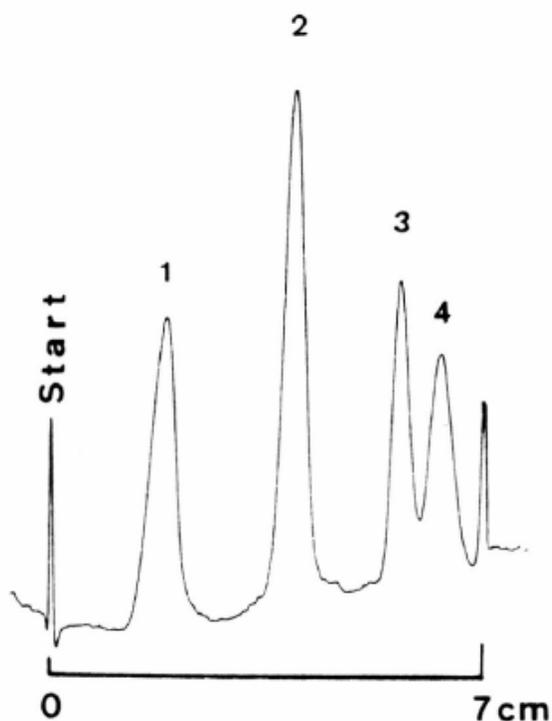
Plate	HPTLC pre-coated plate RP-2 F 254s (1.05747)
Eluent	Methanol/water 70/30 (v/v) with addition of 0,1 mol/l tetraethylammonium bromide
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Pentachlorophenol 2. 2,4,6-Trichlorophenol 3. 2,4-Dichlorophenol 4. 4-Chlorophenol
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of nucleobases

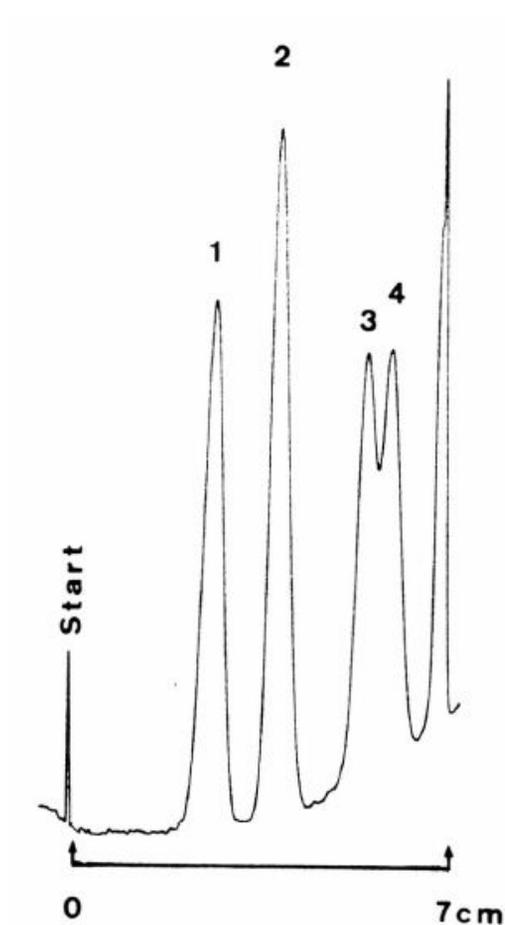
HPTLC Silica gel 60 RP-2 F254s

Plate	HPTLC pre-coated plate RP-2 F 254s (1. 05747)
Eluent	Acetonitrile/water 60/40 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Cytosine 2. Adenine 3. Guanine 4. Uracil
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 264 nm



Separation of nucleobases

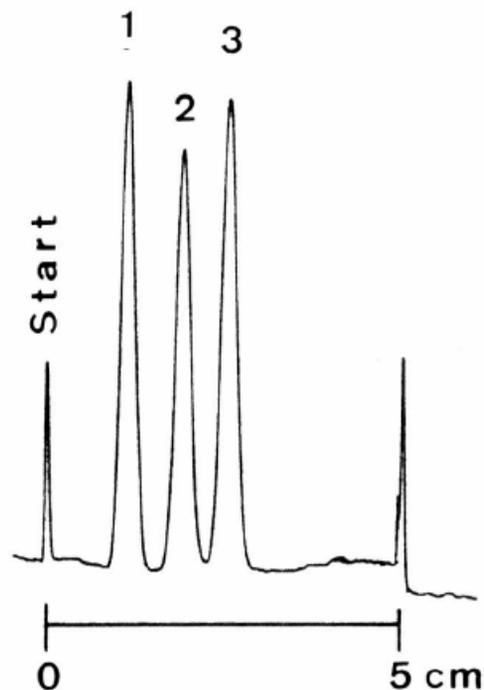
Plate	HPTLC pre-coated plate RP-2 F 254s (1. 05747)
Eluent	Acetonitrile/water 60/40 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Cytosine 2. Adenine 3. Guanine 4. Uracil (all 0,1%)
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of steroids

HPTLC Silica gel 60 RP-8 F254s

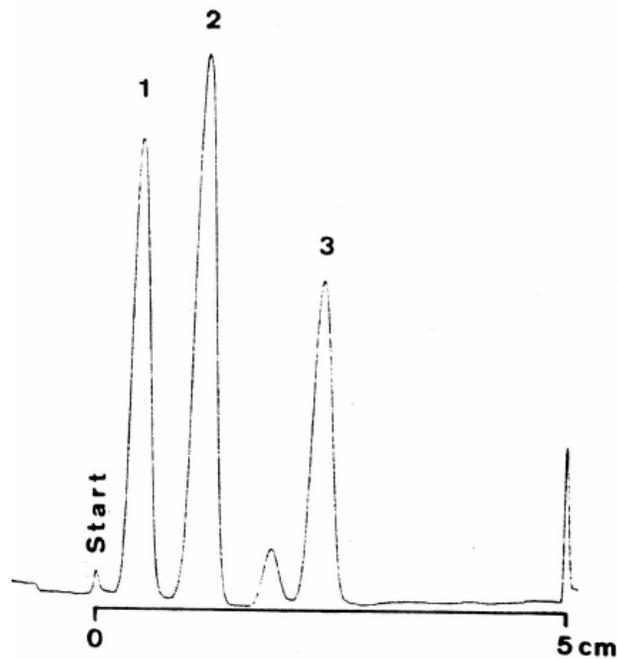
Plate	HPTLC pre-coated plate RP-8 F 254s (1. 13725)
Test compounds	1. Methyltestosterone 2. Reichstein's substance S 3. Hydrocortisone
Application volume	200 nl (10mg/10ml of each compound)
Eluent	Acetone/water 60/40 v/v
Migration distance z_f	5 cm
Type of chamber	Normal chamber without chamber saturation
Detection	UV 254nm, TLC/HPTLC Scanner from Camag



Separation of stilbestrol derivatives

HPTLC Silica gel 60 RP-8 F254s

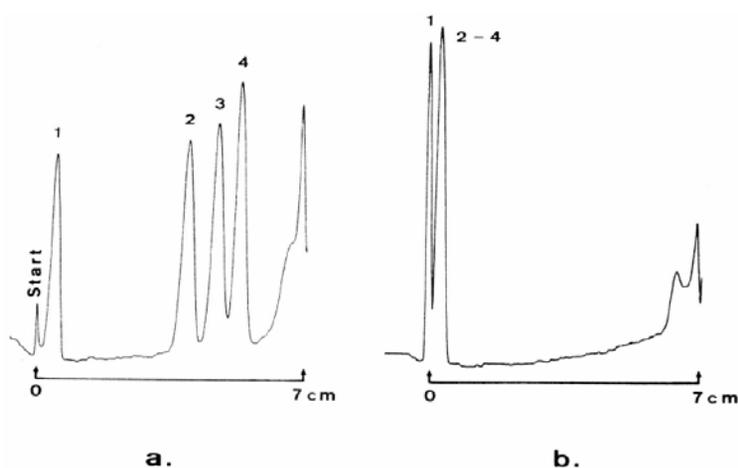
Plate	HPTLC pre-coated plate RP-8 254s F (1. 13725)
Eluent	Methanol/water 80/20 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Diethylstilbestrol-dimethyl ether 2. Diethylstilbestrol-monomethyl ether 3. Diethylstilbestrol
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



The effect of stabilizer in the eluent on the separation of 4-Hydrobenzoic acid and some of its esters

HPTLC Silica gel 60 RP-18 F254s

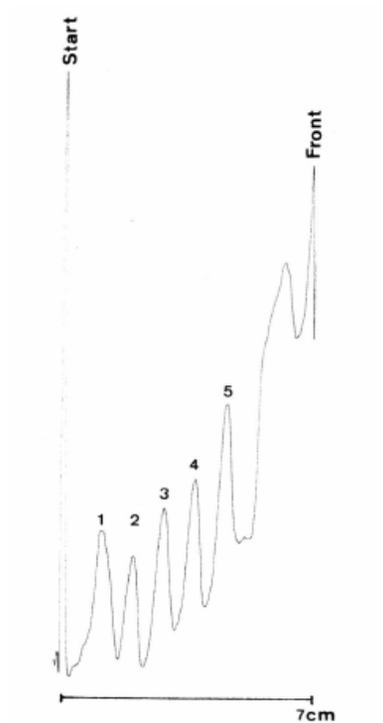
Plate	HPTLC pre-coated plate RP-18 F 254s (1. 13724)
Eluent	Cyclohexane/chloroform 30/70 (v/v) a. Chloroform stabilized with ethanol b. Chloroform stabilized with 2-methyl-2-buten
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. PHB 2. PBH-methylester 3. PHB-ethylester 4. PHB-propylester (all 0,2%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of fatty acids

HPTLC Silica gel 60 RP-18 F254s

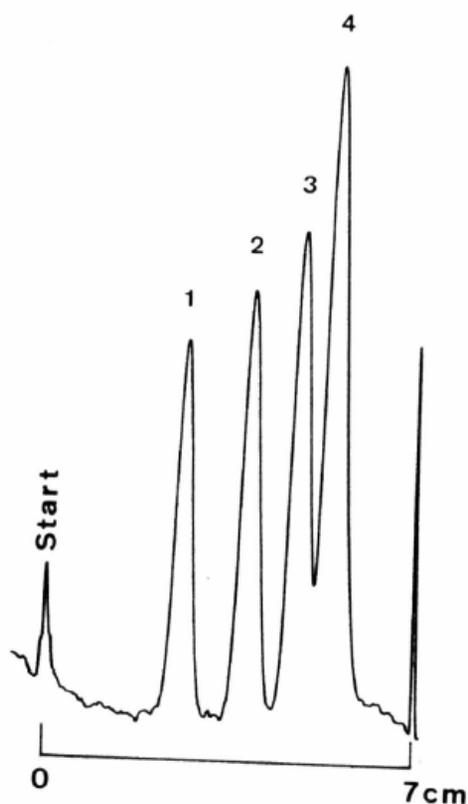
Plate	HPTLC pre-coated plate RP-18 254s F (1. 13724)
Eluent	Ethanol/water 75/20 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Palmitic acid (8%) 2. Myristic acid (8%) 3. Lauric acid (8%) 4. Capric acid (8%) 5. Caprylic acid (8%)
Application volume	200 nl
Detection	Dipped in dichlorofluorescein (0,2% in ethanol)



Separation of some chlorophenols

HPTLC Silica gel 60 RP-18 F254s

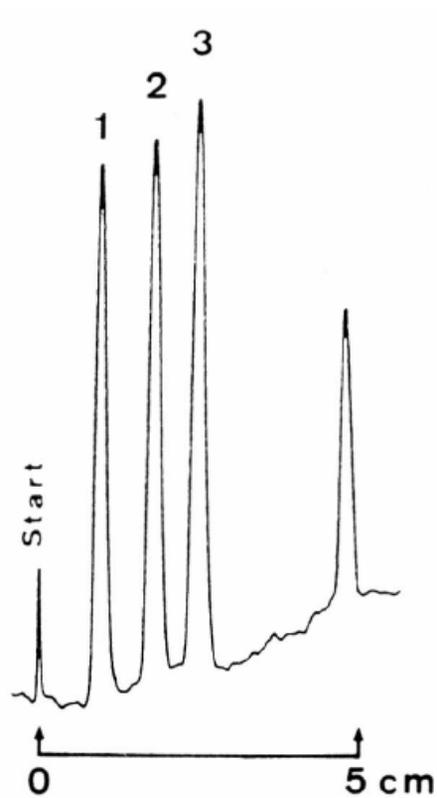
Plate	HPTLC pre-coated plate RP-18 F 254s (1. 13724)
Eluent	Acetonitrile/water 80/20 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Pentachlorophenol 2. 2,4,6-Trichlorophenol 3. 2,4-Dichlorophenol 4. 4-Chlorophenol
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of steroids

HPTLC Silica gel 60 RP-18 F254s

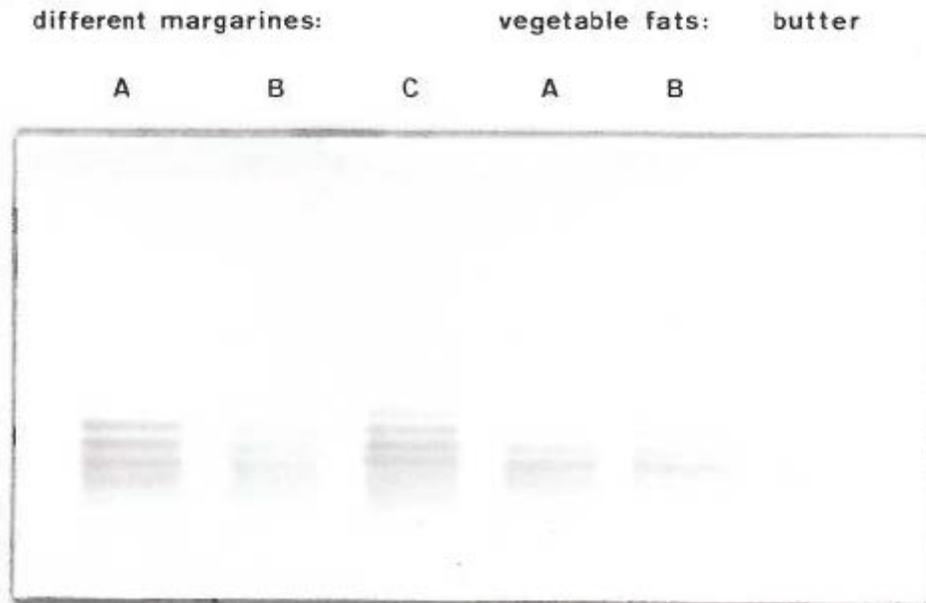
Plate	HPTLC pre-coated plate RP-18 F 254s (1. 13724)
Eluent	Acetone/water 60/40 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Methyltestosterone 2. Reichstein's substance S 3. Hydrocortisone (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of edible fats

HPTLC Silica gel 60 RP-18 F254s

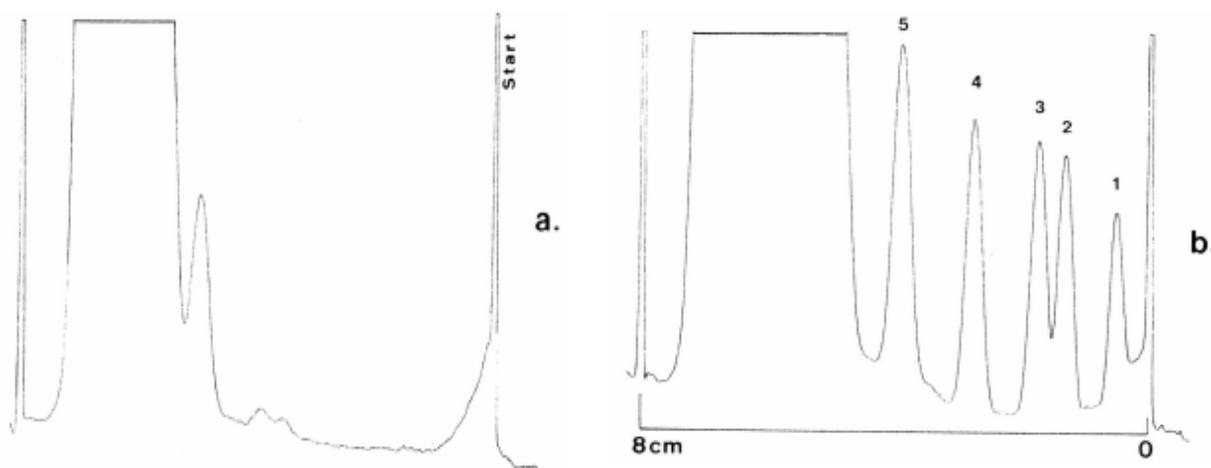
Plate	HPTLC pre-coated plate RP-18 F 254s (1. 13724)
Eluent	Acetone/acetonitrile/Toluene/Chloroform/n-Hexane 50/35/5/5/5 v/v
Migration Distance z_f	7.5 cm
Chamber	Normal chamber without chamber saturation
Application volume	20 μ l (10mg/5ml)
Detection	Dipped in 1% molybdato-phosphoric acid in methanol, heating up to 110°C



Separation of fatty acids as isatinmethyl esters

HPTLC Silica gel 60 RP-18 F254s

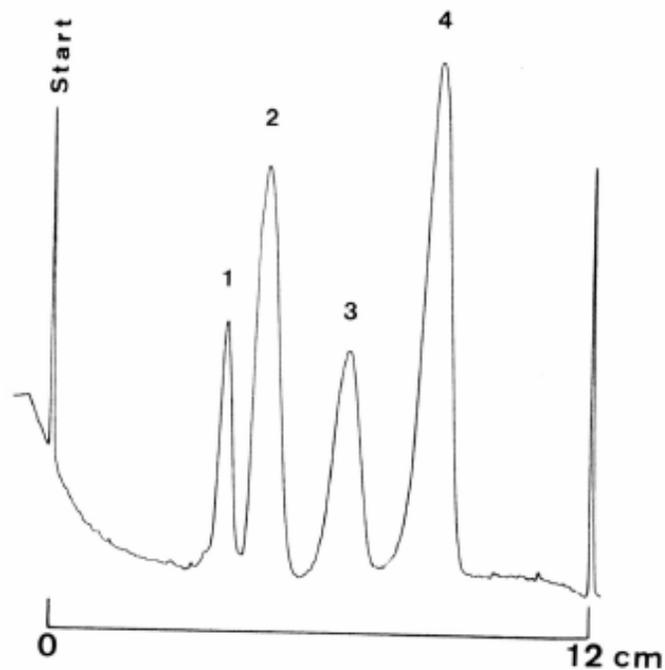
Plate	HPTLC pre-coated plate RP-18 F 254s (1. 13724)
Derivatisation	Reaction of the fatty acids with 1-chloromethyl-isatin
Eluent	Methanol/water 88/12 (v/v)
Chamber	Normal chamber without chamber saturation
Compounds	Isatin esters of: 1. Myristic acid 2. Tridecanoic acid 3. Lauric acid 4. n-Capric acid
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 313 nm
Application of reaction mixture	a. Chromatogram of reaction mixture without fatty acids b. Chromatogram of reaction mixture



Separation of alanine oligomeres

TLC Silica gel 60 RP-18 F254s

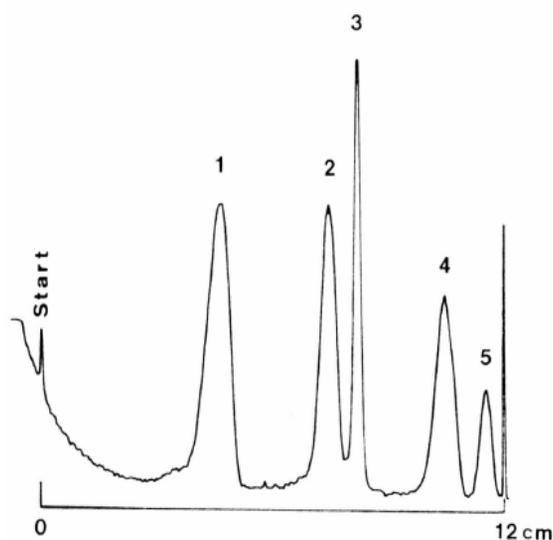
Plate	TLC pre-coated plate RP-18 F 254s (P/N 1. 15389, Alternative P/N 1. 15423)
Eluent	Acetonitrile/ethanol/water, 90/5/10 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	12 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ala-Ala-Ala-Ala-Ala 2. Ala-Ala-Ala-Ala 3. Ala-Ala-Ala 4. Ala-Ala
Detection	Spray reagent: Ninhydrin Heating up to 110° for 15 min.



Separation of tri-peptides by ion-pair chromatography

TLC Silica gel 60 RP-18 F254s

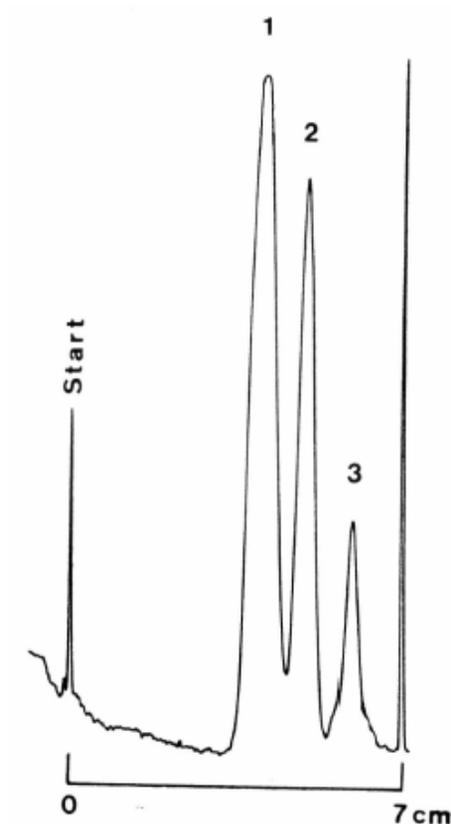
Plate	TLC pre-coated plate RP-18 F 254s (P/N 1. 15389, Alternative P/N 1. 15423)
Eluent	Acetonitrile/IN acetic acid, 92/8 (v/v) with addition of 0,05 mol/l octanesulfonic acid sodium salt
Migration distance	12 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Gly-Gly-Gly (0,1%) 2. Ala-Ala-Ala (0,1%) 3. Glu-Glu-Glu (0,2%) 4. Leu-Leu-Leu (0,2%) 5. Tyr-Tyr-Tyr (0,2%)
Application volume	700 nl
Detection	Spray reagent: Ninhydrin Heating up to 120°C for 10 min.



Separation of di-peptides

HPTLC Silica gel 60 RP-2 F254s

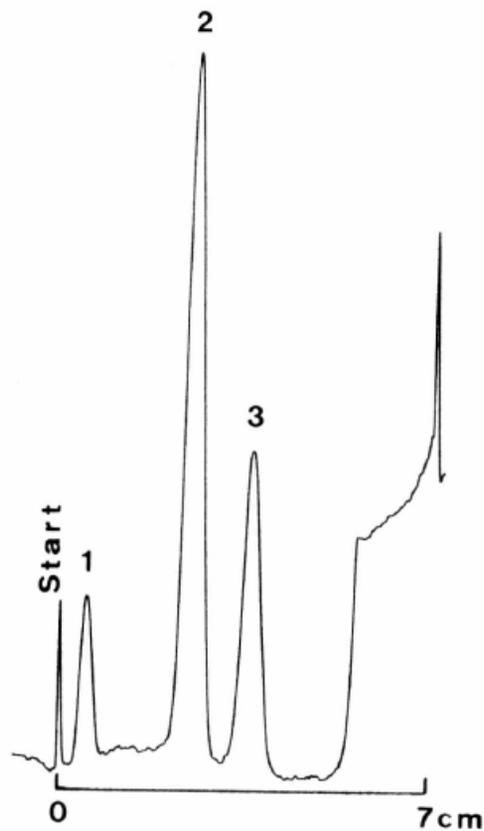
Plate	HPTLC pre-coated plate RP-18 F 254s (1. 13726)
Eluent	Acetonitrile + buffer solution pH 3.00 50ml+5ml with addition of 0,05 mol/l lithium chloride
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ala-Gly 2. Ala-Ala 3. Asp-Leu
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 10 min.



Separation of di-peptides

HPTLC Cellulose ohne F

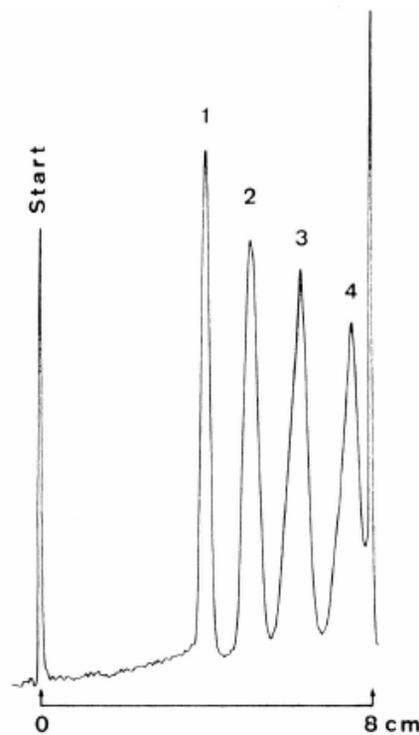
Plate	HPTLC pre-coated plate cellulose, without indicator (P/N 1. 05651, alt. P/N 1. 16092)
Eluent	Ethanol/water 80/20 (v/v) with addition of 0,05 mol/l lithium chloride
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Alg-Asp 2. Ala-Gly 3. Ala-Ala
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 5min.



Separation of di-peptides

TLC Silica gel 60 RP-18 F254s

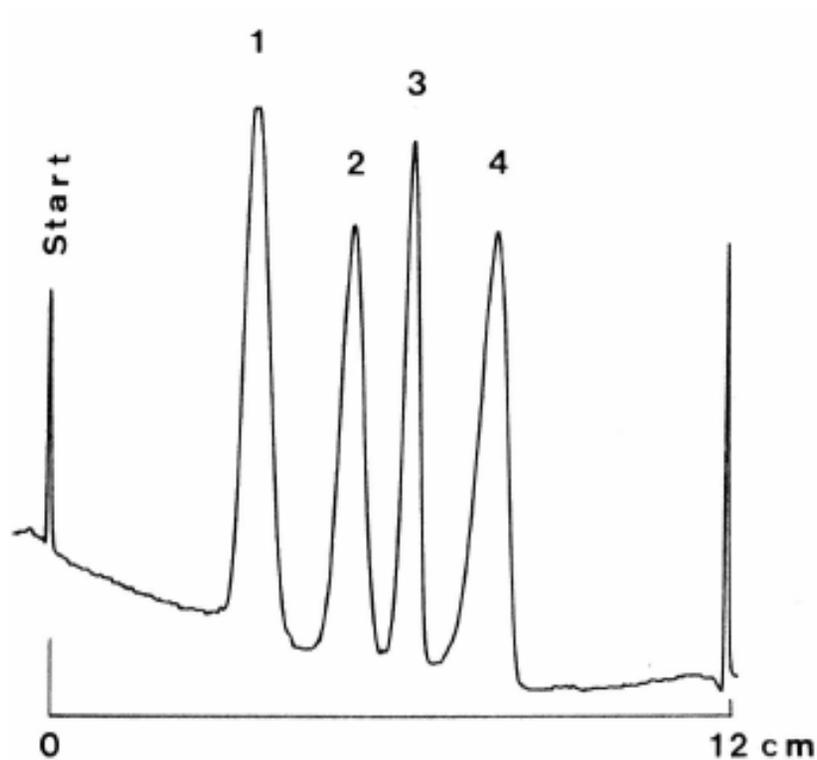
Plate	TLC pre-coated plate RP-18 F 254s (P/N 1. 15389, alt. P/N 1. 15423)
Eluent	Acetonitrile/water 40/60 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ala-Trp 2. Ala-Ile 3. Ala-Val 4. Ala-Ala (all 0,2%)
Application volume	300 nl
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 10 min.



Separation of tri-peptides

TLC Silica gel 60 RP-8 F254s

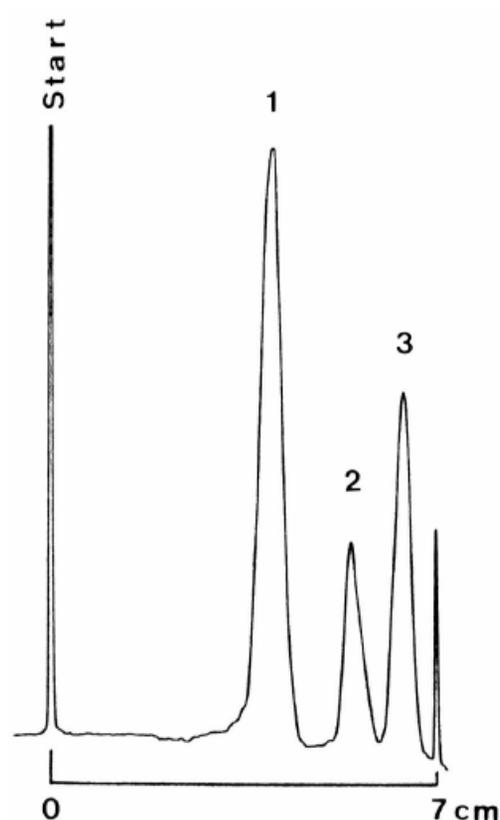
Plate	TLC pre-coated plate RP-18 F 254s (P/N 1. 15388, alt. P/N 1. 15424)
Eluent	Acetonitrile/buffer solution pH 3.00 90/10 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	12 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ala-Ala-Ala 2. Leu-Gly-Gly 3. Leu-Ala-Pro 4. Leu-Leu-Leu
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 15 min.



Separation of tri-peptides

HPTLC Silica gel 60 RP-18 F254s

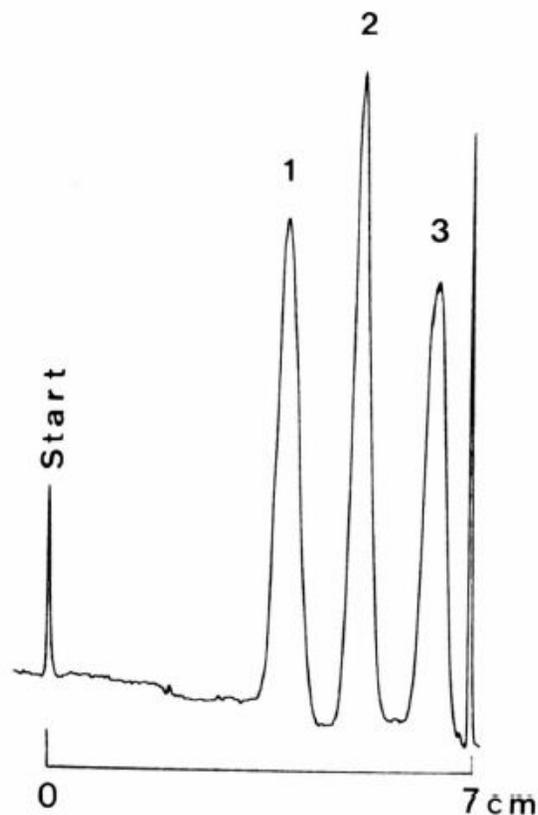
Plate	HPTLC pre-coated plate RP-18 F 254s (1. 13724)
Eluent	Acetonitrile/buffer solution pH 3.00 90/10 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ala-Ala-Ala 2. Glu-Thr-Tyr 3. Leu-Leu-Leu
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 20 min.



Separation of tri-peptides

HPTLC Silica gel 60 RP-18 F254s

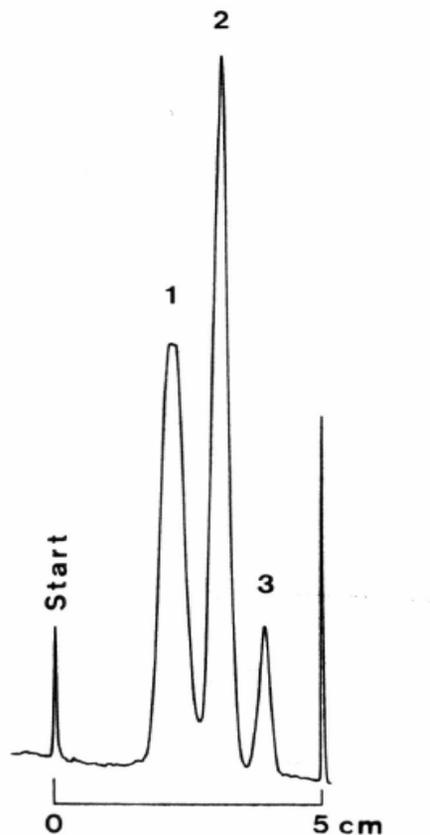
Plate	HPTLC pre-coated plate RP-18 F 254s (1. 13724)
Eluent	Acetonitrile/buffer solution pH 3.00 90/10 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ala-Ala-Ala 2. Glu-Thr-Tyr 3. Leu-Leu-Leu
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 20 min.



Separation of tri-peptides

HPTLC Silica gel 60 RP-8 F254s

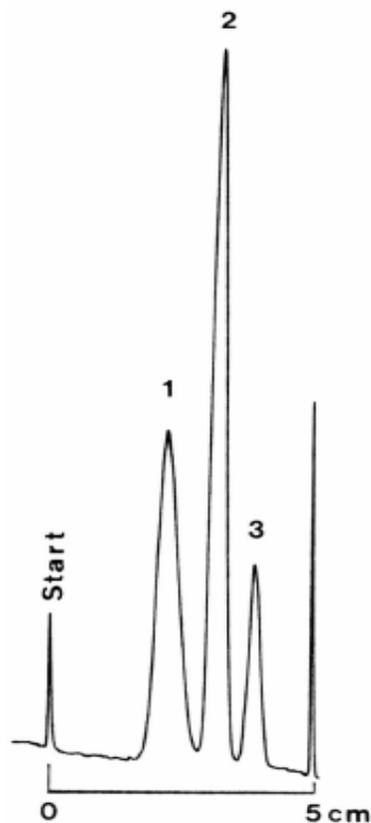
Plate	HPTLC pre-coated plate RP-18 F 254s (1. 13725)
Eluent	Acetonitrile/buffer solution pH 3.00 90/10 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ala-Ala-Ala 2. Leu-Gly-Glu 3. Leu-Leu-Leu
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 20 min.



Separation of tri-peptides

HPTLC Silica gel 60 RP-8 F254s

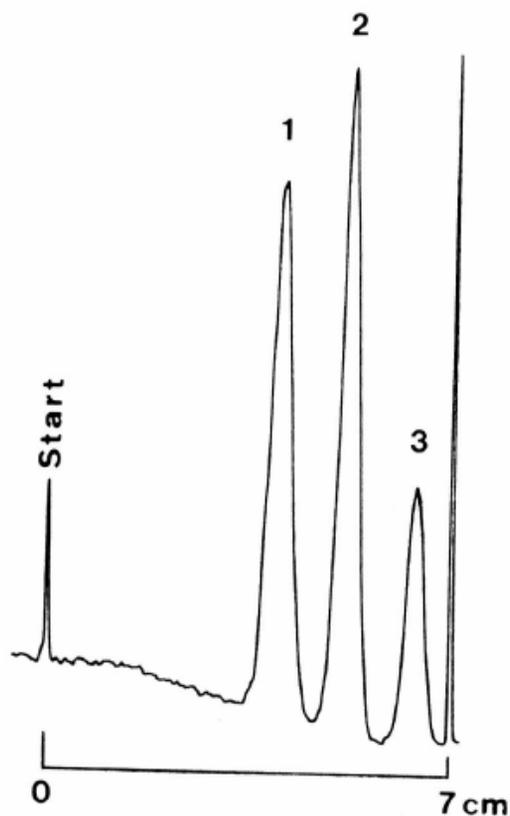
Plate	HPTLC pre-coated plate RP-18 F 254s (1. 13725)
Eluent	Acetonitrile/buffer solution pH 3.00 90/10 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ala-Ala-Ala 2. Leu-Ala-Pro 3. Leu-Leu-Leu
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 20 min.



Separation of tri-peptides

HPTLC Silica gel 60 RP-8 F254s

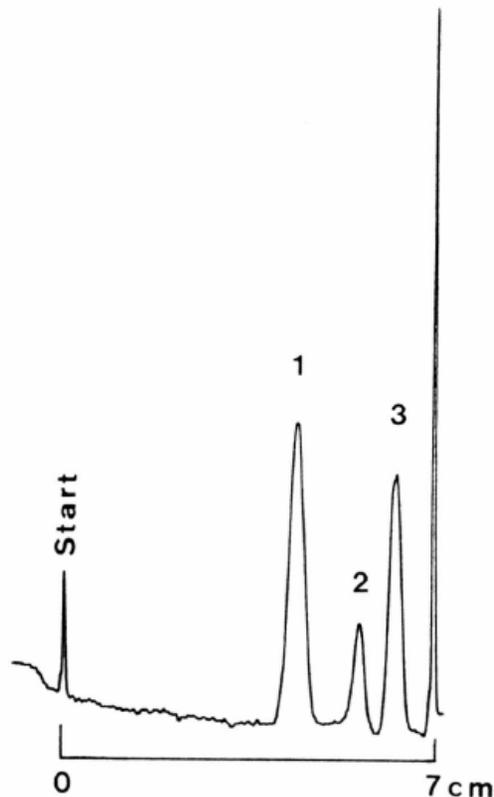
Plate	TLC pre-coated plate RP-18 F 254s (1. 13725)
Eluent	Acetonitrile/buffer solution pH 3.00 90/10 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ala-Ala-Ala 2. Leu-Gly-Gly 3. Leu-Leu-Leu
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 20 min.



Separation of tri-peptides

TLC Silica gel 60 RP-2 F254s

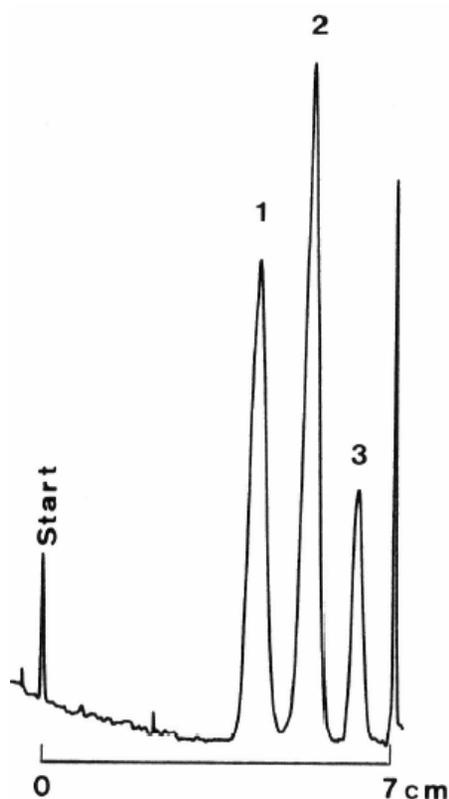
Plate	HPTLC pre-coated plate RP-18 F 254s (1. 05747)
Eluent	Acetonitrile/buffer solution pH 3.00 90/10 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ala-Ala-Ala 2. Glu-Thr-Tyr 3. Leu-Leu-Leu
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 20 min.



Separation of tri-peptides

TLC Silica gel 60 RP-2 F254s

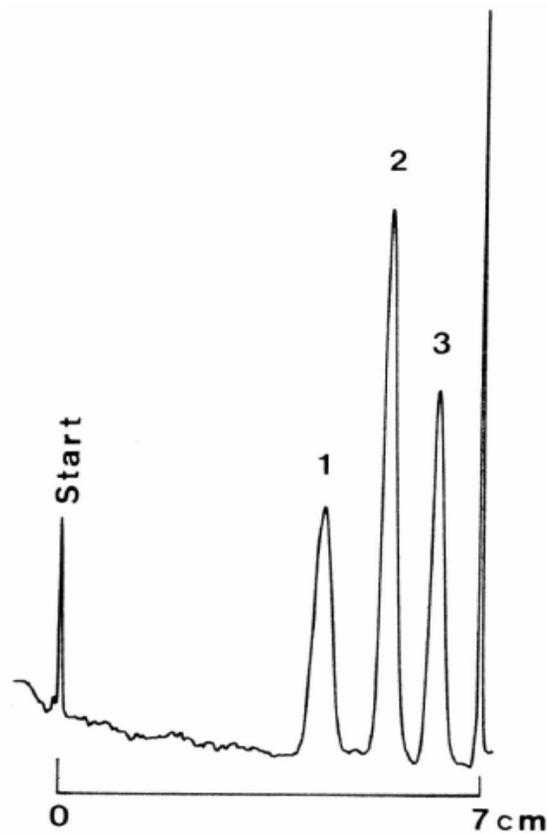
Plate	HPTLC pre-coated plate RP-18 F 254s (1.05747)
Eluent	Acetonitrile/buffer solution pH 3.00 90/10 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ala-Ala-Ala 2. Leu-Gly-Gly 3. Leu-Leu-Leu
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 20 min.



Separation of tri-peptides

TLC Silica gel 60 RP-2 F254s

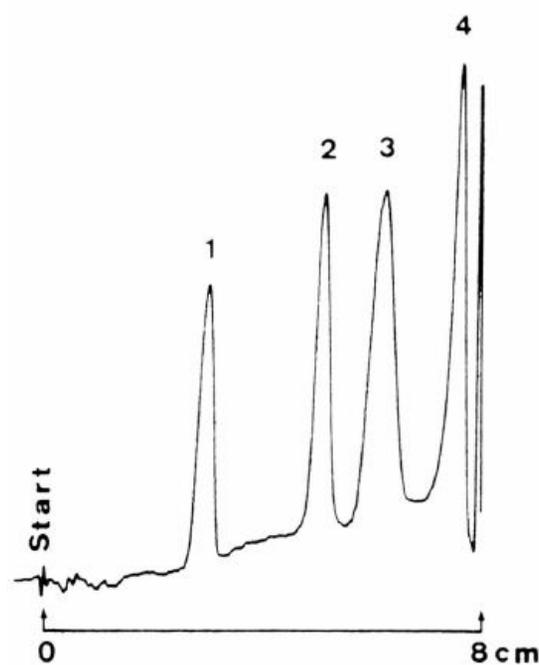
Plate	TLC pre-coated plate RP-18 F 254s (1.05747)
Eluent	Acetonitrile/buffer solution pH 3.00 90/10 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ala-Ala-Ala 2. Leu-Ala-Pro 3. Leu-Leu-Leu
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 20 min.



Separation of tri-peptides

TLC Silica gel 60 RP-18 F254s

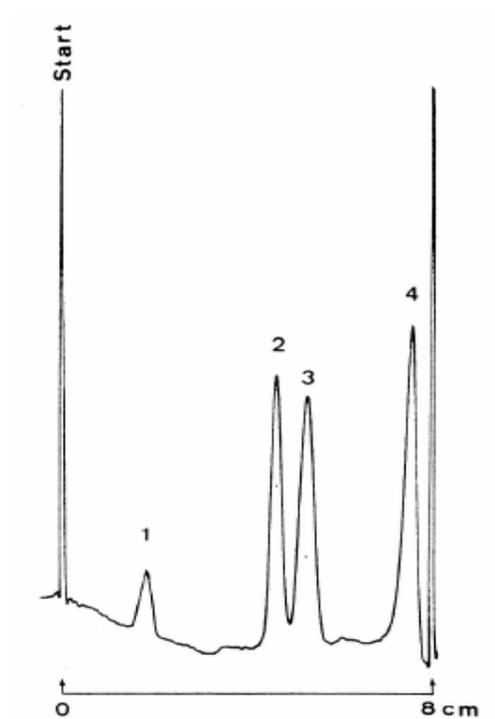
Plate	TLC pre-coated plate RP-18 F 254s (P/N 1.15389, alt. P/N 1.15423)
Eluent	Acetonitrile/water 40/60 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Phe-Phe-Phe 2. Gly-Gly-Phe 3. Phe-Gly-Gly 4. Gly-Gly-Gly (all 0,2%)
Application volume	500 nl
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 10 min.



Separation of tri-peptides

TLC Silica gel 60 RP-18 F254s

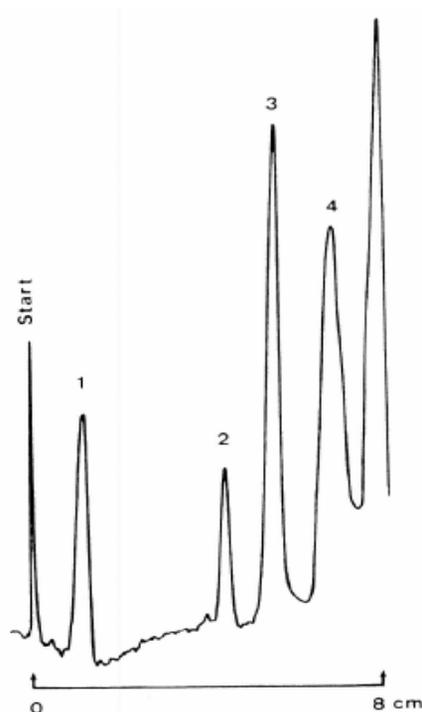
Plate	TLC pre-coated plate RP-18 F 254s (P/N 1.15389, alt. P/N 1.15423)
Eluent	Acetonitrile/water 40/60 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Leu-Leu-Leu 2. Gly-Gly-Leu 3. Leu-Gly-Gly 4. Gly-Gly-Gly (all 0,2%)
Application volume	500 nl
Detection	Spray reagent: Ninhydrin Heating up to 110°C for 10 min.



Separation of tetra-peptides

TLC Silica gel 60 RP-18 F254s

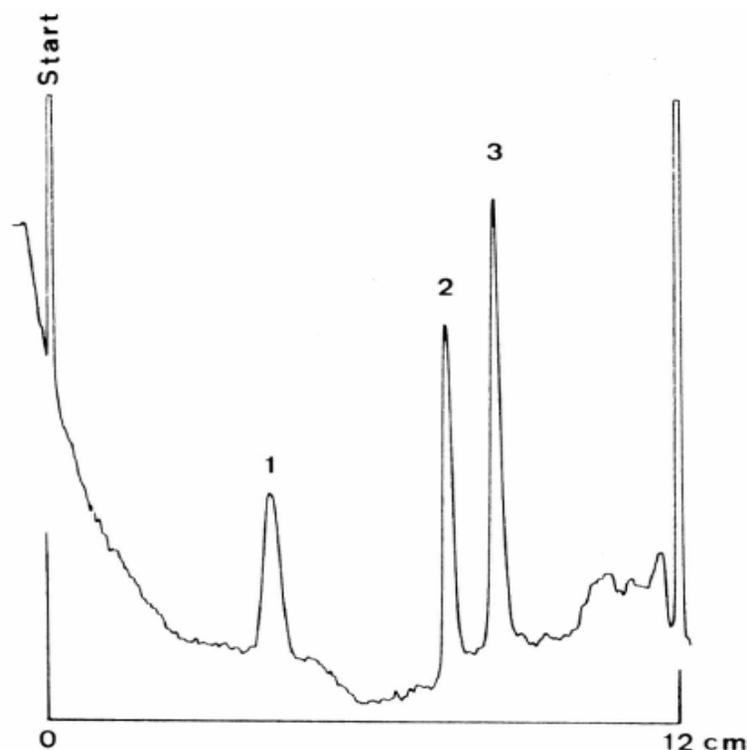
Plate	TLC pre-coated plate RP-18 F 254s (P/N 1.15389, alt. P/N 1.15423)
Eluent	Acetonitrile/water 40/60 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Phe-Phe-Phe-Phe 2. Val-Val-Val-Val 3. Gly-Gly-Glu-Ala 4. Ala-Ala-Ala-Ala (all 0,4%)
Application volume	800 nl
Detection	Spray reagent: Ninhydrin Heating up to 120°C for 10 min.



Separation of penta-peptides

TLC Silica gel 60 RP-18 F254s

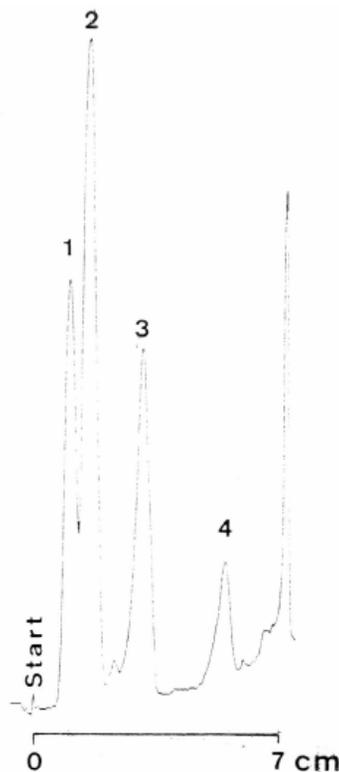
Plate	TLC pre-coated plate RP-18 F 254s (P/N 1.15389, alt. P/N 1.15423)
Eluent	Acetonitrile/ethanol/1N hydrochloric acid, 85/5/10 (v/v/v) with addition of 0,1 mol/l tetramethylammonium chloride
Migration distance	12 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Glu-Thr-Tyr-Ser-Lys 2. Ala-Ala-Ala-Ala-Ala 3. Gly-Gly-Asn-Asp-Ala
Application volume	700 nl
Detection	Spray reagent: Ninhydrin Heating up to 120°C for 10 min.



Separation of aromatic acids

TLC Silica gel 60 RP-8 F254s

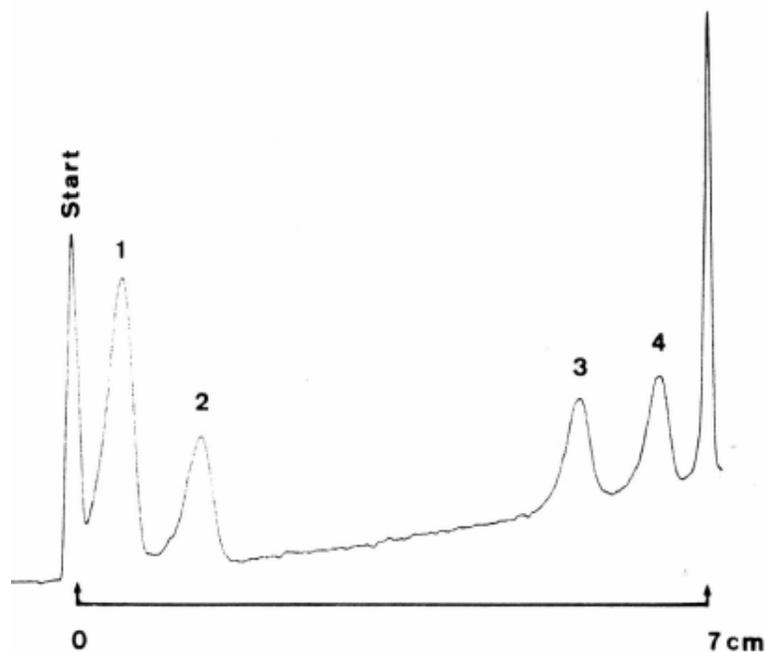
Plate	TLC pre-coated plate RP-8 F 254s (P/N 1. 15388, alt. P/N 1. 15424)
Eluent	Acetonitrile/phosphate buffer 0,01 mol/l pH3 25/75 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 2-Methyl benzoic acid 2. Benzoic acid 3. Salicylic acid 4. 2-Nitro benzoic acid
Application volume	200 nl
Detection	In situ-evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of adenine derivatives

TLC Silica gel 60 RP-8 F254s

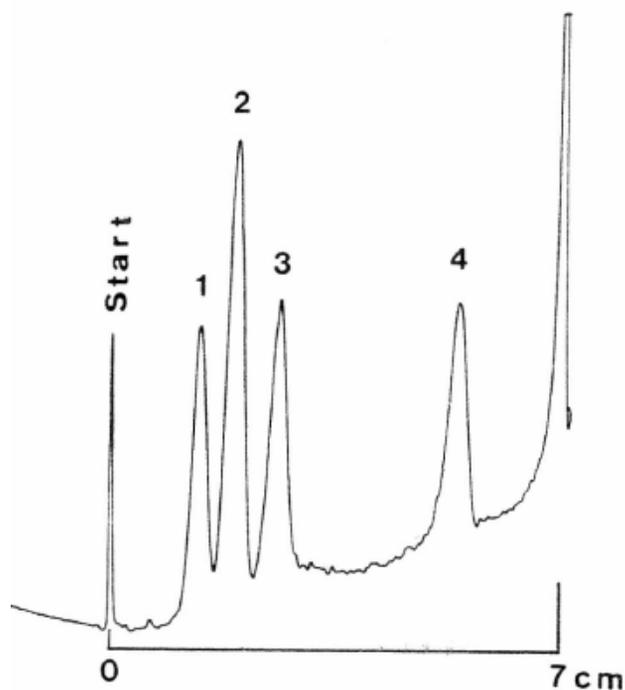
Plate	TLC pre-coated plate RP-8 F 254s (P/N 1. 15388, alt. P/N 1. 15424)
Eluent	Methanol/water 10/90 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Adenine 2. Adenosine 3. cAMP 4. AMP (all 0,1%)
Application volume	300 nl
Detection	In situ-evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of benzoic acids

TLC Silica gel 60 RP-8 F254s

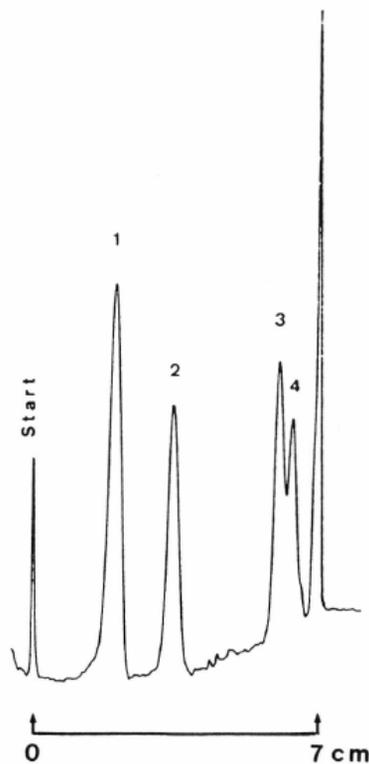
Plate	TLC pre-coated plate RP-8 F 254s (P/N 1. 15388, alt. P/N 1. 15424)
Eluent	Aceton/water 40/60 (v/v) with addition of 0,005 mol/l tetrapropylammonium bromide
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 2-Methyl benzoic acid 2. Benzoic acid 3. Acetylsalicylic acid 4. Phthalic acid
Application volume	300 nl
Detection	In situ-evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of adenine derivatives

TLC Silica gel 60 RP-8 F254s

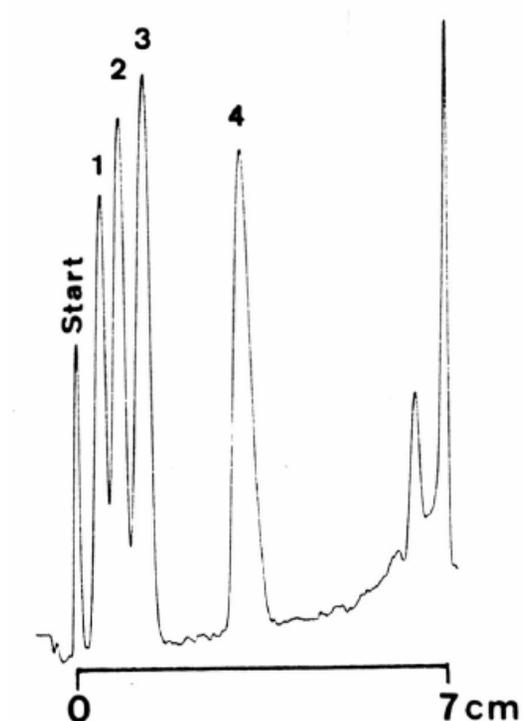
Plate	TLC pre-coated plate RP-8 F 254s (P/N 1. 15388 alt. P/N 1. 15424)
Eluent	Acetonitrile/water 20/80 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Adenine 2. Adenosine 3. cAMP 4. AMP (all 0,1%)
Application volume	300 nl
Detection	In situ-evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of 4-Hydroxybenzoic acid esters

TLC Silica gel 60 RP-8 F254s

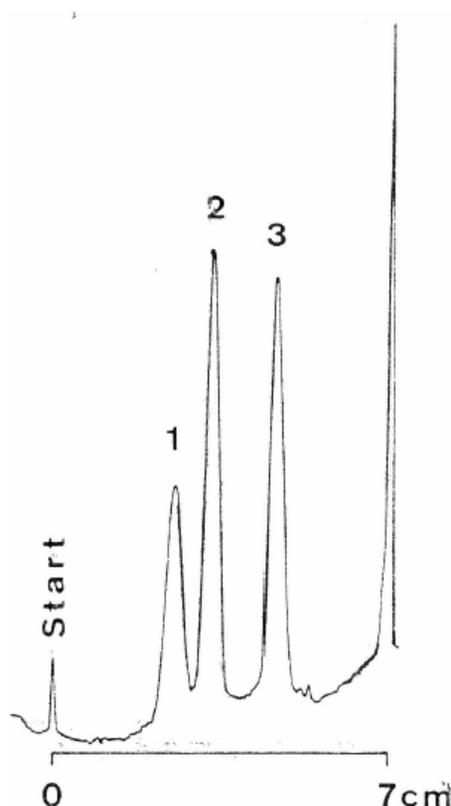
Plate	TLC pre-coated plate RP-8 F 254s (P/N 1. 15388, alt. P/N 1. 15424)
Eluent	Aceton/water 40/60 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 4-Hydroxybenzoic acid propyl ester 2. 4-Hydroxybenzoic acid ethyl ester 3. 4-Hydroxybenzoic acid methyl ester 4. 4-Hydroxybenzoic acid
Application volume	300 nl
Detection	In situ-evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of aromatic components

TLC Silica gel 60 RP-8 F254s

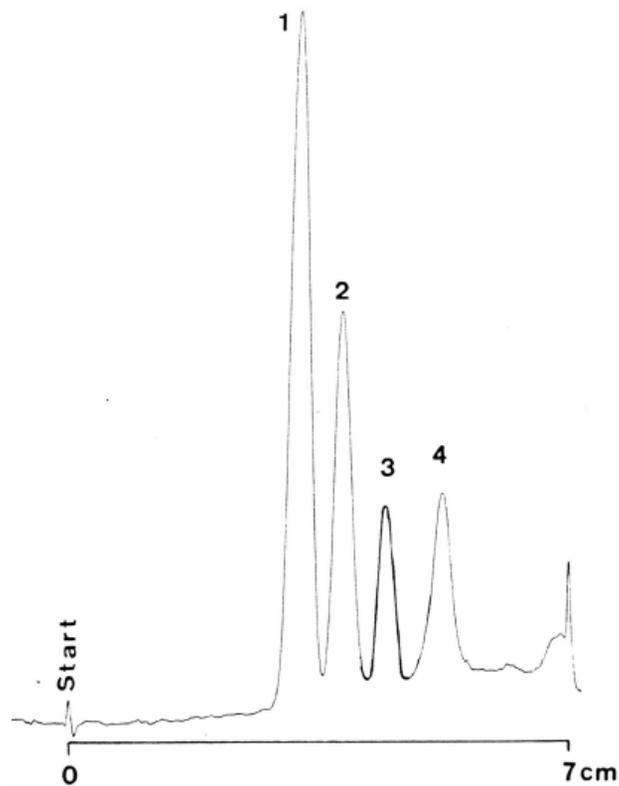
Plate	TLC pre-coated plate RP-8 F 254s (P/N 1. 15388, alt. P/N 1. 15424)
Eluent	Acetonitrile/water 60/40 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ethyl benzoate 2. Benzoin 3. Benzoic acid
Application volume	300 nl
Detection	In situ-evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of barbiturates

TLC Silica gel 60 RP-8 F254s

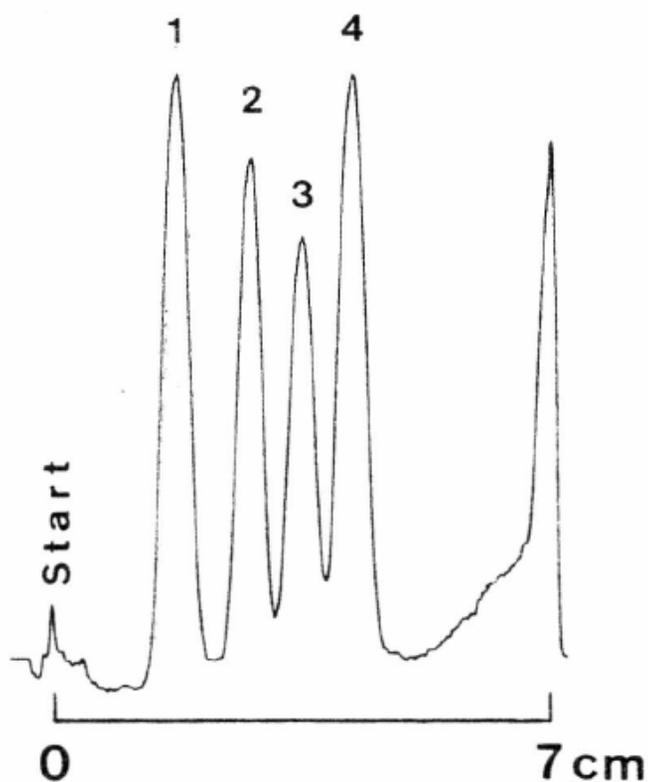
Plate	TLC pre-coated plate RP-8 F 254s (P/N 1. 15388, alt. P/N 1. 15424)
Eluent	Methanol/water 80/20 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Revonal 2. Thiogenal 3. Prominal 4. Luminal
Application volume	300 nl
Detection	In situ-evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some chlorophenols

TLC Silica gel 60 RP-8 F254s

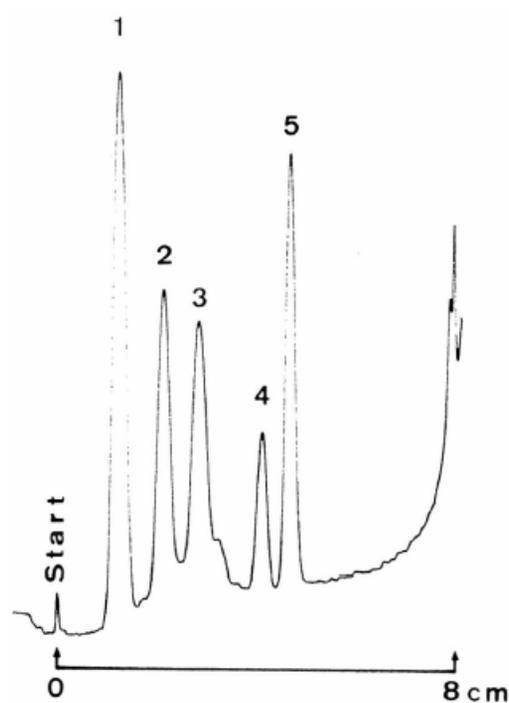
Plate	TLC pre-coated plate RP-8 F 254s (P/N 1. 15388, alt. P/N 1. 15424)
Eluent	Methanol/water 65/35 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Pentachlorophenol 2. 2,4,6-Trichlorophenol 3. 2,4-Dichlorophenol 4. 4-Chlorophenol
Application volume	300 nl
Detection	In situ-evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of mycotoxins

TLC Silica gel 60 RP-8 F254s

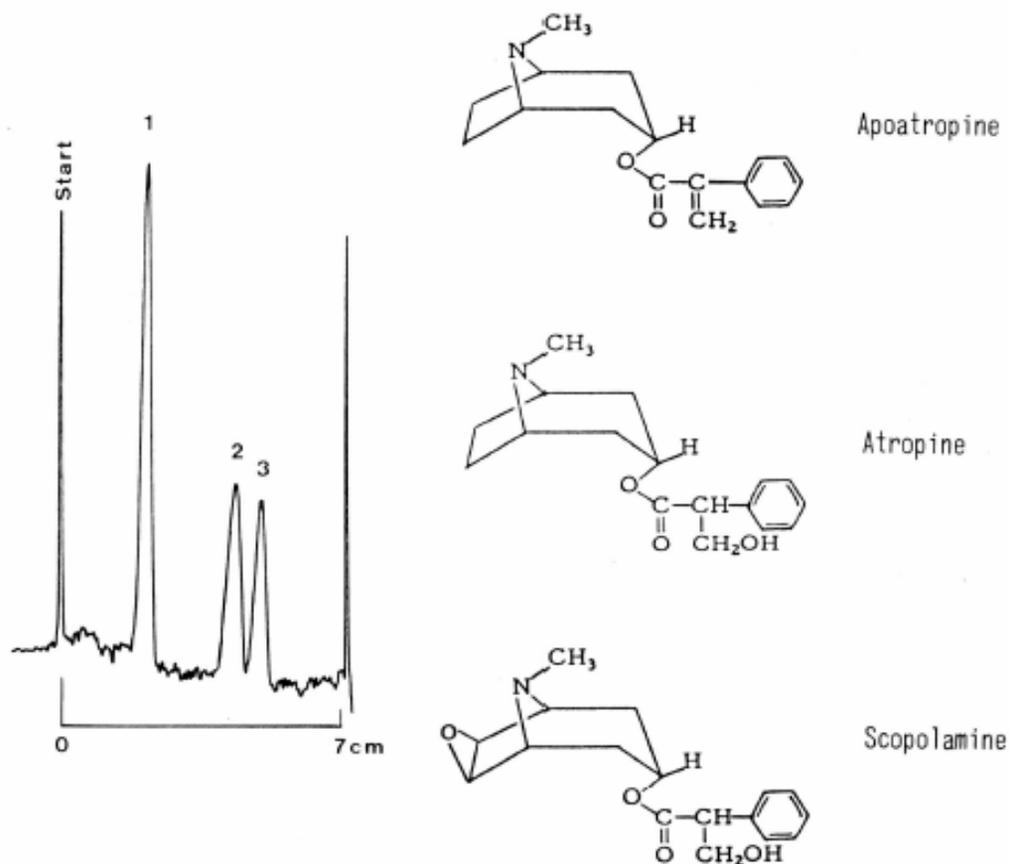
Plate	TLC pre-coated plate RP-8 F 254s (P/N 1. 15388, alt. P/N 1. 15424)
Eluent	Acetonitrile/buffer solution pH 2,00 50/50 (v/v)
Migration distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Zearalenone 2. Zeralenol 3. Rubratoxin B 4. Penicillic acid 5. Patulin (all 0,1%)
Application volume	300 nl
Detection	In situ-evaluation with TLC/HPTLC scanner (Camag) UV 248 nm



Separation of tropane-alkaloids

TLC Silica gel 60 RP-18 F254s

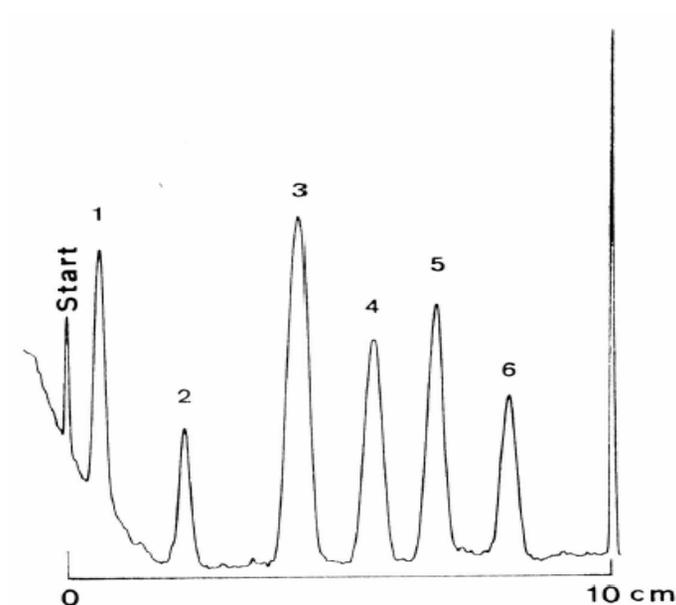
Plate	TLC pre-coated plate RP-18 F 254s (P/N 1. 15389, alt. P/N 1. 15423)
Eluent	Aceton/water 40/60 (v/v) with addition of 0.3 mol/l NaCl
Migration distance	7 cm
Chamber	Normal chamber with chamber saturation
Compounds	1. Apotropine 2. Atropine 3. Scopolamine
Detection	In situ-evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of cholesterol and its bile acid metabolites

TLC Silica gel 60 RP-18 F254s

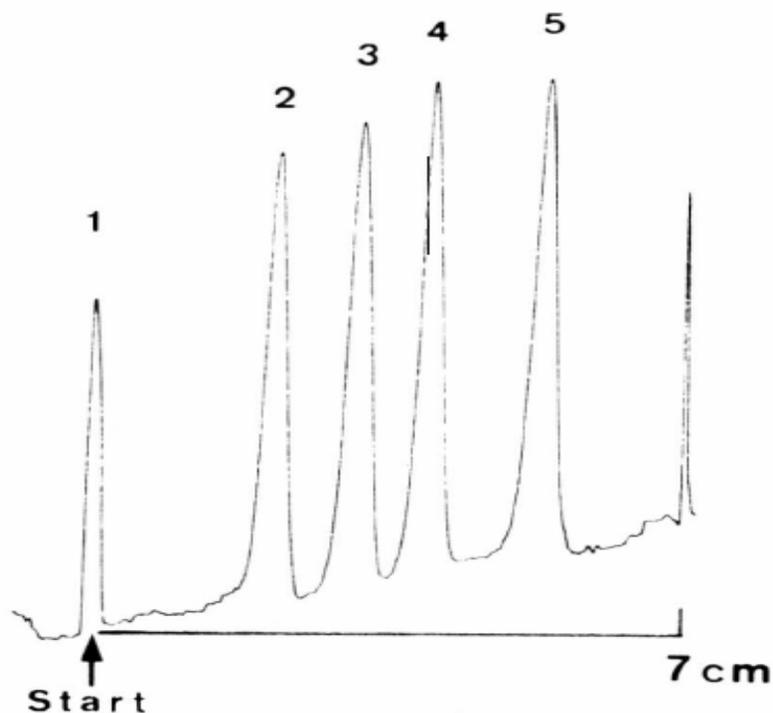
Plate	TLC pre-coated plate RP-18 F 254s (P/N 1. 15389, alt. P/N 1. 15423)
Eluent	Methanol/acetone/IN acetic acid 85/10/5 (v/v/v)
Migration distance	10 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Cholesterol 2. 7-Hydroxycholesterol 3. Lithocholic acid 4. Cholic acid methyl ester 5. Cholic acid 6. Dehydrocholic acid
Application volume	400 nl
Detection	Spray reagent: MnCl ₂ – sulfuric acid heating up to 120°C for 120 min. UV 366 nm.



Separation of gallic acid and its esters

TLC Silica gel 60 RP-18 F254s

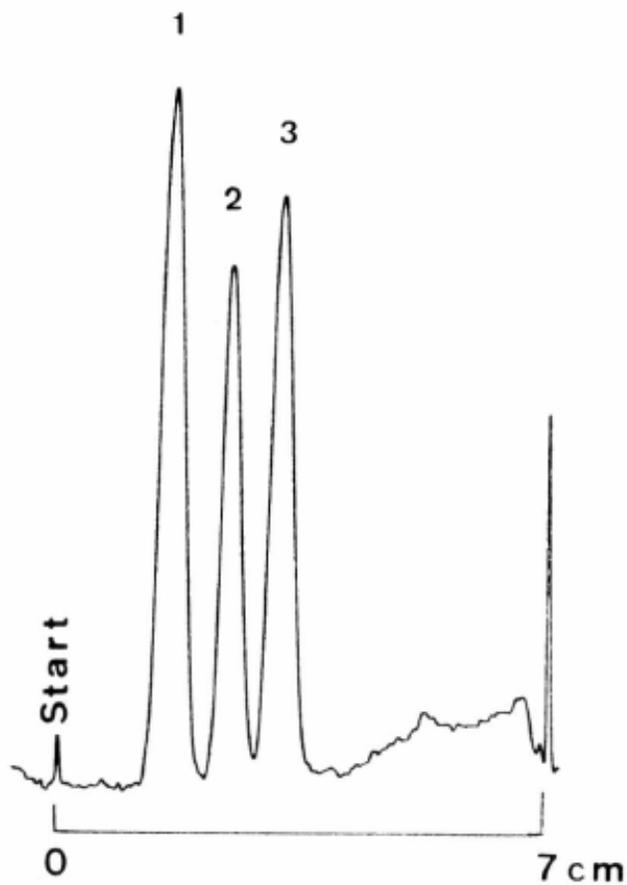
Plate	TLC pre-coated plate RP-18 F 254s (P/N 1. 15389, alt. P/N 1. 15423)
Eluent	Methanol/IN acetic acid 50/50 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Gallic acid dodecyl ester 2. Gallic acid propyl ester 3. Gallic acid ethyl ester 4. Gallic acid methyl ester 5. Gallic acid
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of salicylic derivatives

TLC Silica gel 60 RP-18 F254s

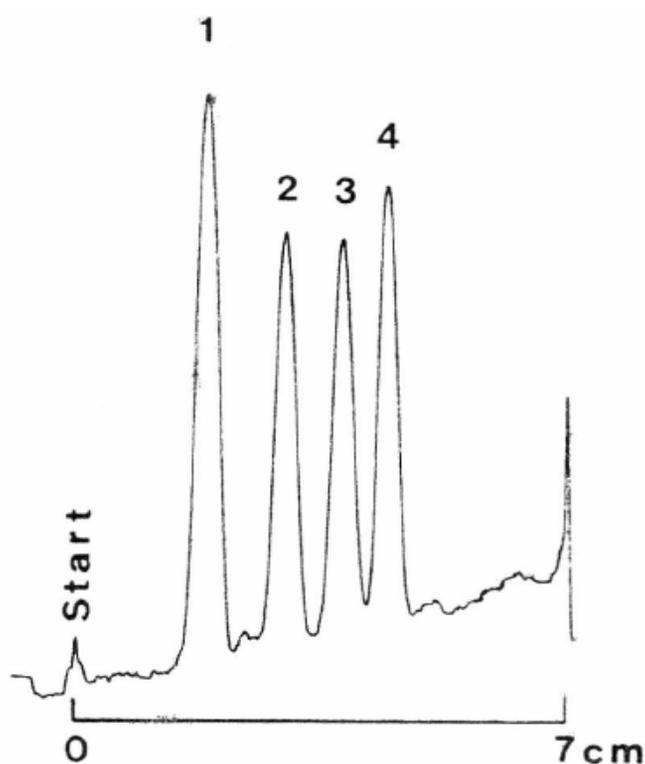
Plate	TLC pre-coated plate RP-18 F 254s (P/N 1. 15389, alt. P/N 1. 15423)
Eluent	Methanol/IN acetic acid 50/50 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Salicylic acid 2. Acetylsalicylic acid 3. Salicyluric acid
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some chlorophenols

TLC Silica gel 60 RP-18 F254s

Plate	TLC pre-coated plate RP-18 F 254s (P/N 1. 15389, alt. P/N 1. 15423)
Eluent	Acetonitrile/water 70/30 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Pentachlorophenol 2. 2,4,6-Trichlorophenol 3. 2,4-Dichlorophenol 4. 4-Chlorophenol
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of N-compounds on TLC pre-coated plate RP-8 F 254s by ion-pair chromatography

TLC Silica gel 60 RP-8 F254s

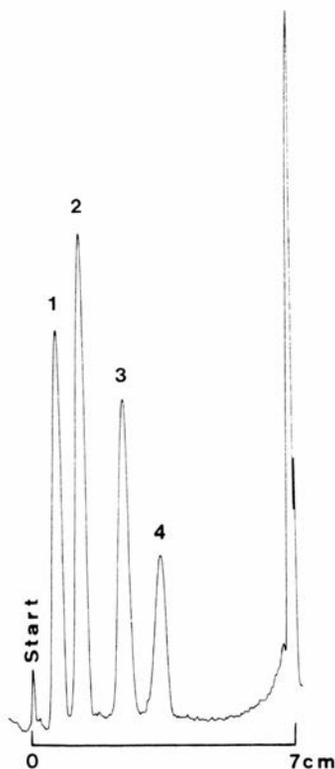
Plate	TLC pre-coated plate RP-8 F 254s (P/N: 1.15388, Alternative P/N: 1.15424)
Eluent	Acetone/water 40/60 (v/v) with addition of 0,1 mol/l octane-1 sodium sulfonate
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Eupaverine chloride 2. Papaverine 3. Codeine 4. Caffeine
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of alkaloids by ion-pair chromatography

TLC Silica gel 60 RP-8 F254s

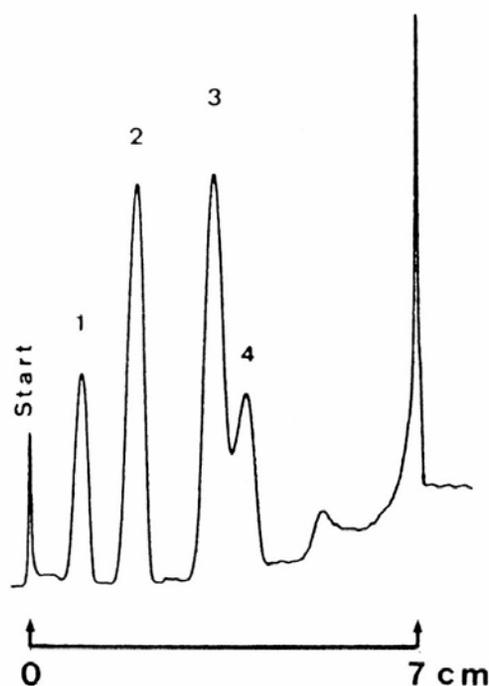
Plate	TLC pre-coated plate RP-8 F 254s (P/N: 1.15389, Alternative P/N: 1.15423)
Eluent	Methanol/aqueous solution of 0,05 mol/l KH_2SO_4 , pH 4 and 0,1 mol/l octane-1-sodium sulfonate 40/60 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Eupaverine chloride 2. Papaverine 3. Caffeine 4. Codeine
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of catecholamines by ion-pair chromatography

TLC Silica gel 60 RP-18 F254s

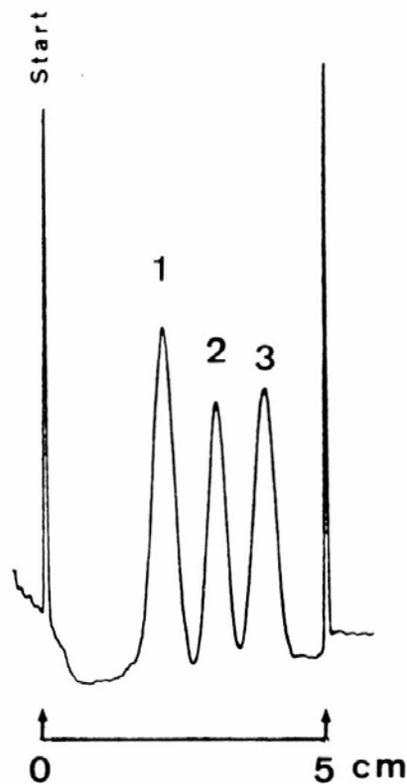
Plate	TLC pre-coated plate RP-18 F 254s (P/N: 1.15389, Alternative P/N: 1.15423)
Eluent	Acetone/water 40/60 (v/v) with addition of 0,1 mol/l butane-1 sodium sulfonate
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Eupaverine chloride 2. Papaverine 3. Caffeine 4. Codeine
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of aromatic carboxylic acids

HPTLC Silica gel 60 RP-8 F254s

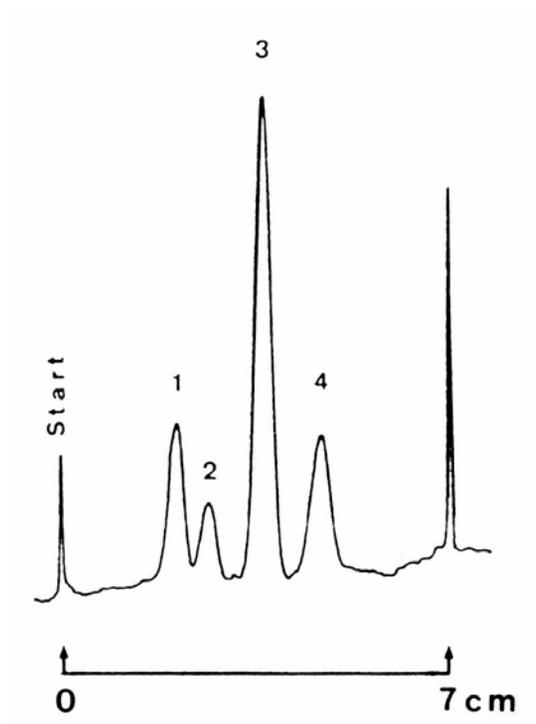
Plate	HPTLC pre-coated plate RP-8 F 254s (1.13725)
Eluent	Methanol/water 60/40 (v/v) with addition of 0,1 mol/l TEABr
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Benzoic acid 2. Isophthalic acid 3. Phthalic acid (all 0,5%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of aromatic acids by ion-pair chromatography

TLC Silica gel 60 RP-8 F254s

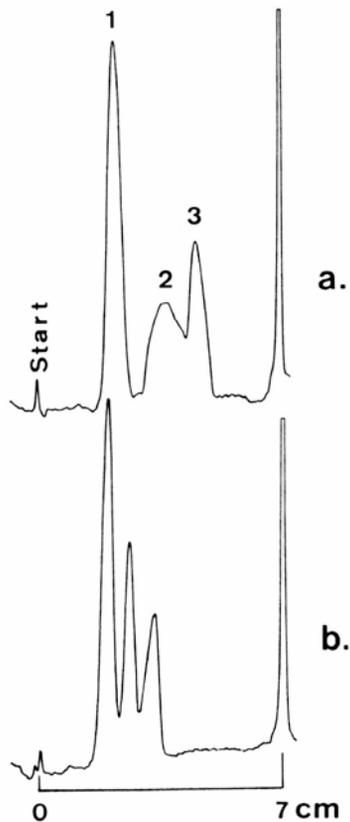
Plate	TLC pre-coated plate RP-8 F 254s (P/N: 1.15388, Alternative P/N: 1.15424)
Eluent	Acetone/water 50/50 (v/v) with addition of 0,1 mol/l TEABr
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 4-Methyl benzoic acid 2. Benzoic acid 3. 4-Hydroxy benzoic acid 4. Naphthaline sulfonic acid (all 0,2%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of substituted benzoic acids by ion-pair chromatography

TLC Silica gel 60 RP-8 F254s

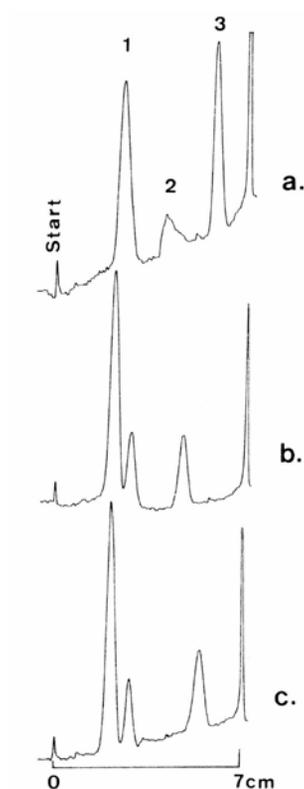
Plate	TLC pre-coated plate RP-8 F 254s (P/N: 1.15388, Alternative P/N: 1.15424)
Eluent	Acetone/water 40/60 (v/v) a. Without IPR b. With addition of 0,01 mol/l tetrapropylammonium bromide
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Benzoic acid 2. 2-Chloro benzoic acid 3. Salicylic acid
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of substituted benzoic acids by ion-pair chromatography

TLC Silica gel 60 RP-8 F254s

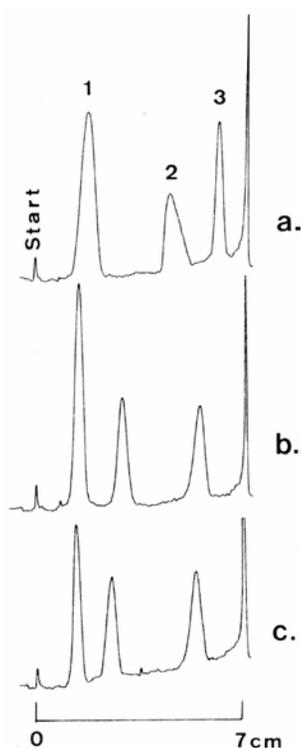
Plate	TLC pre-coated plate RP-8 F 254s (P/N: 1.15388, Alternative P/N: 1.15424)
Eluent	Acetone/water 40/60 (v/v) a. Without IPR b. With addition of 0,01 mol/l ammonium bromide c. With addition of 0,01 mol/l tetrapropylammonium bromide
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Benzoic acid 2. 2-Chloro benzoic acid 3. 2-Nitro benzoic acid
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of substituted benzoic acids by ion-pair chromatography

TLC Silica gel 60 RP-8 F254s

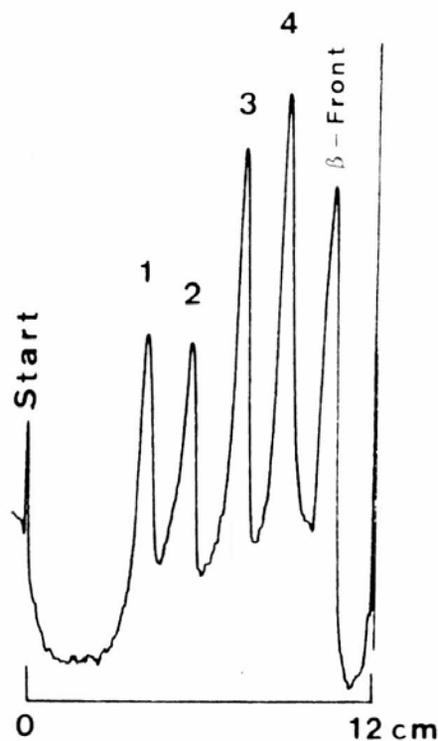
Plate	TLC pre-coated plate RP-8 F 254s (P/N: 1.15388, Alternative P/N: 1.15424)
Eluent	Acetone/water 40/60 (v/v) a. Without IPR b. With addition of 0,01 mol/l ammonium bromide c. With addition of 0,01 mol/l tetrabutylammonium bromide
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 2-Methyl benzoic acid 2. 2-Chloro benzoic acid 3. 2-Nitro benzoic acid
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of oligo nucleotides

HPTLC Silica gel 60 RP-18 F254s

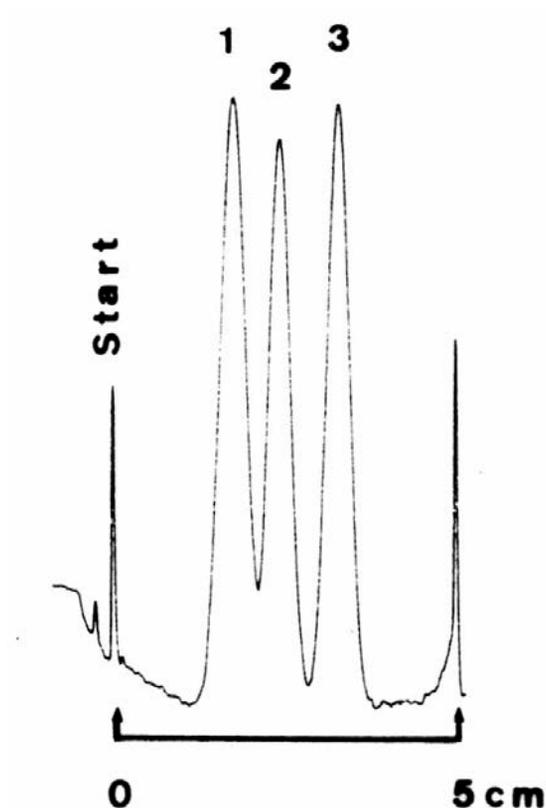
Plate	TLC pre-coated plate RP-18 F 254s (1.13724)
Eluent	Methanol/buffer solution pH3 70/30 (v/v) with addition of 0.1 mol/l tetramethylammonium chloride
Migration Distance	12 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. ApApA 2. ApApC 3. ApApU 4. ApUpG (all 0,1%)
Application volume	500 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of oligo nucleotides

HPTLC Silica gel 60 RP-18 F254s

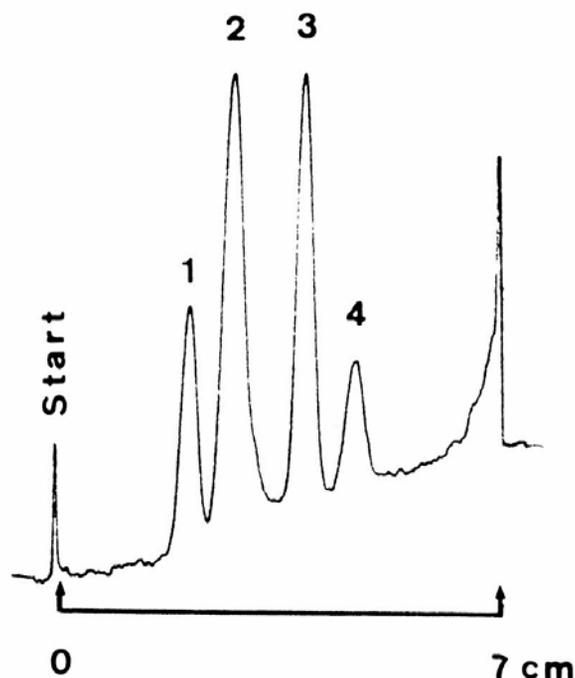
Plate	HPTLC pre-coated plate RP-18 F 254 (1.13724)
Eluent	Methanol/water 60/40 (v/v) with addition of 0,1 mol/l tetramethylammoniumbromide
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Benzoic acid 2. Isophthalic acid 3. Phthalic acid (all 0,2%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of aromatic acids by ion-pair chromatography

TLC Silica gel 60 RP-18 F254s

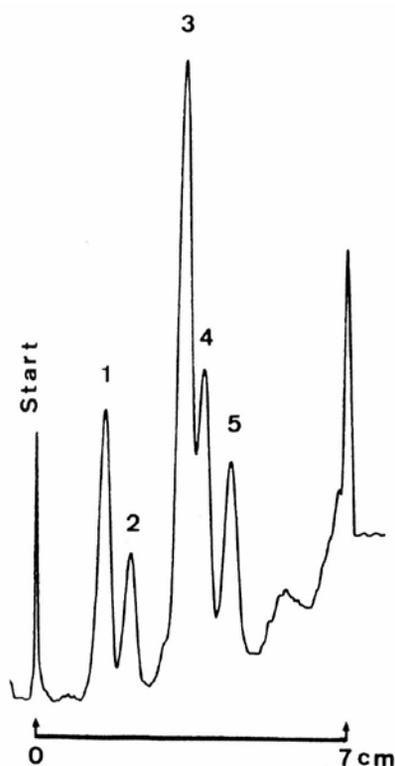
Plate	TLC pre-coated plate RP-18 F 254s (P/N: 1.15389, Alternative P/N: 1.15423)
Eluent	Acetone/water 50/50 (v/v) with addition of 0,1 mol/l tetraethylammoniumbromide
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 4-Methyl benzoic acid 2. Benzoic acid 3. 4-Hydroxy benzoic acid 4. Naphthalene sulfonic acid (all 0,2%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of aromatic acids by ion-pair chromatography

TLC Silica gel 60 RP-18 F254s

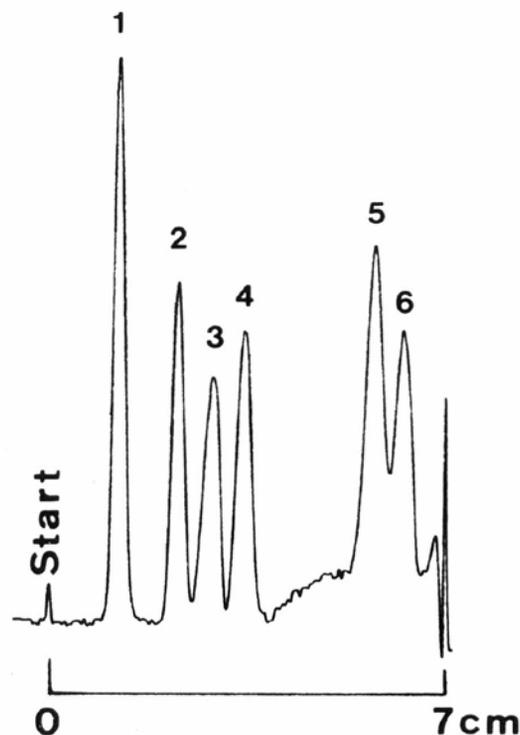
Plate	TLC pre-coated plate RP-18 F 254s (P/N: 1.15389, Alternative P/N: 1.15423)
Eluent	Acetone/water 50/50 (v/v) with addition of 0,1 mol/l TEABr
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 4-Methyl benzoic acid 2. Benzoic acid 3. 4-Hydroxy benzoic acid 4. 4-Amino benzoic acid 5. Naphthaline sulfonic acid (all 0,2%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some drugs

TLC Silica gel 60 RP-18 F254s

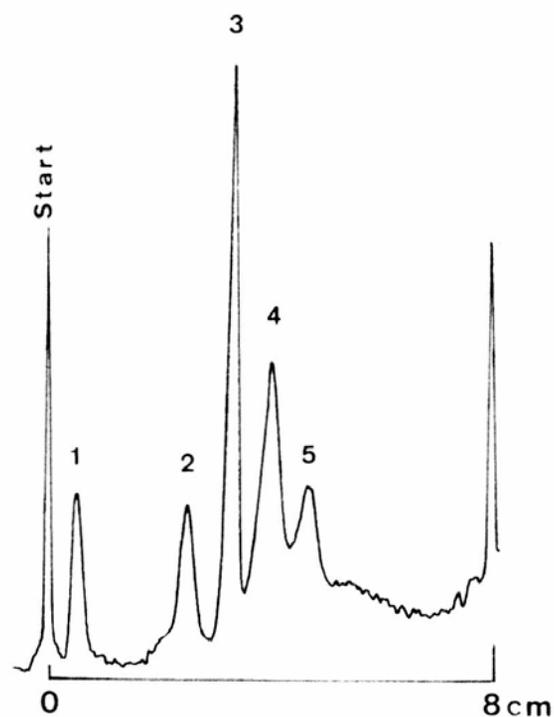
Plate	TLC pre-coated plate RP-18 F 254s (E.Merck) (P/N: 1.15389, Alternative P/N: 1.15423)
Eluent	Acetone/water 50/50 (v/v) with addition of 0,1 mol/l tetraethylammonium bromide
Chamber	Normal chamber without chamber saturation
Compounds	1. Methaqualone 2. Phenobarbital 3. Diphenhydramine 4. Barbitol 5. Codeine 6. Morphine
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of penta-peptides

TLC Silica gel 60 RP-18 F254s

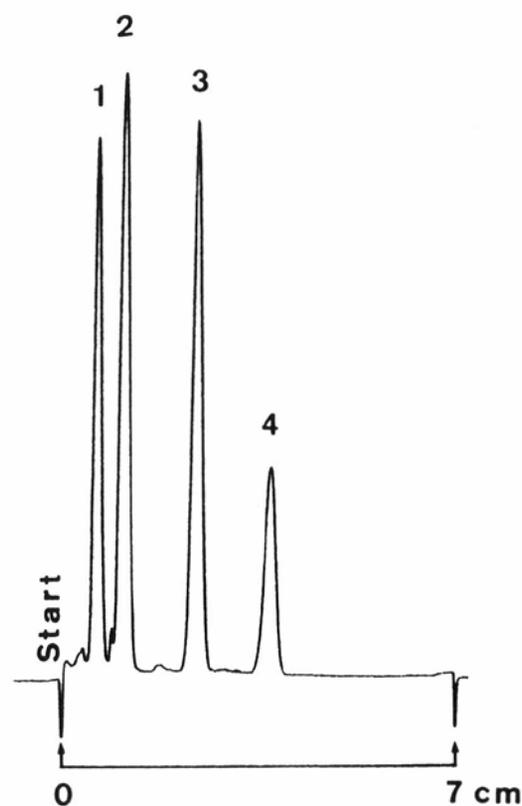
Plate	TLC pre-coated plate RP-18 F 254s (P/N: 1.15389, Alternative P/N: 1.15423)
Eluent	Acetonitrile/1N hydrochloric acid 90/10 (v/v) with addition of 0,1 mol/l tetramethylammonium chloride
Migration Distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Glu-Thr-Tyr-Ser-Lys 2. Ala-Ala-Ala-Ala-Ala 3. Gly-Gly-Asn-Asp-Ala 4. Ala-Ala-Tyr-Ala-Ala 5. Leu-Trp-Met-Arg-Phe (all 0,2 %)
Application volume	700 nl
Detection	Spray reagent: ninhydrin heating up to 120°C for 10 min.



Separation of dansyl amino acids

HPTLC CN F254s

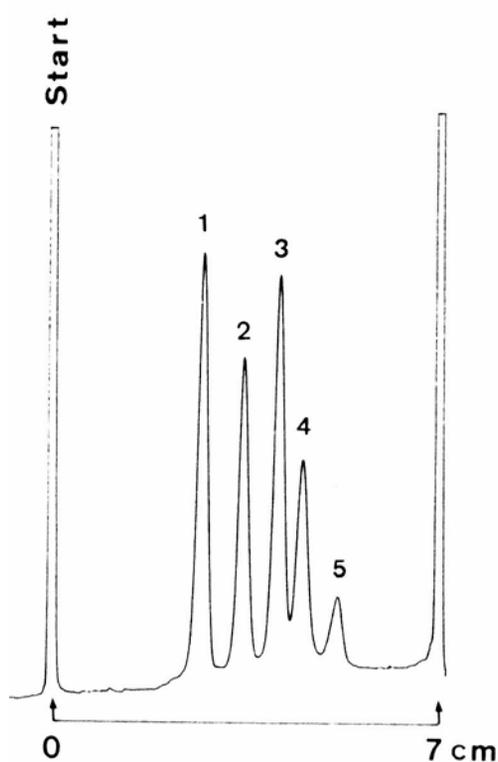
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Methanol/l-propanol/water 30/20/50 (v/v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Dansyl-L-tyrosine 2. Dansyl-L-lysine 3. Dansyl-L-valine 4. Dansyl-L-serine (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm



Separation of dansyl amino acids

HPTLC CN F254s

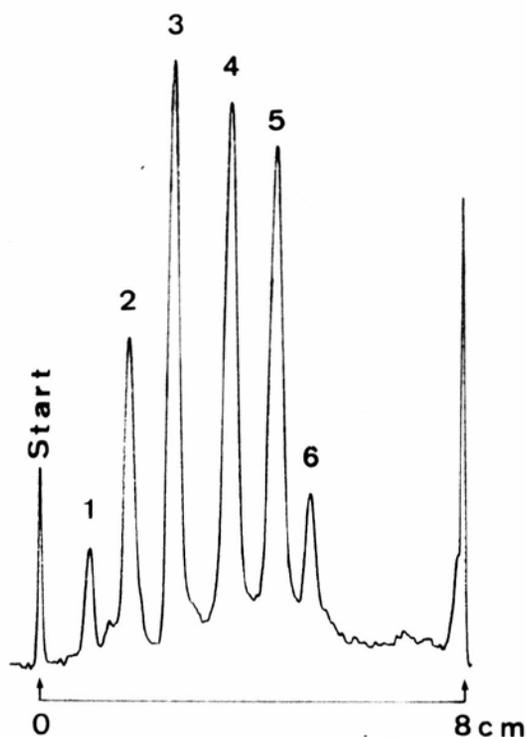
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Methanol/l-propanol/water 50/20/30 (v/v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Dansyl-L-tyrosine 2. Dansyl-L-lysine 3. Dansyl-L-phenylalanine 4. Dansyl-L-proline 5. Dansyl-L-serine (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm



Separation of DNP amino acids

HPTLC CN F254s

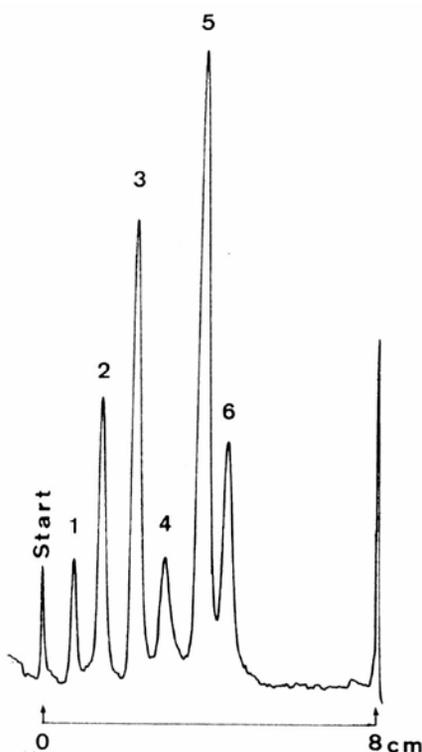
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Ethanol/acetone/water 25/30/45 (v/v/v) with addition of 0,2 mol/l lithium chloride
Migration Distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. N,O-DNP-L-Tyrosine 2. N,S-di-ONP-L-Cysteine 3. N-DNP-L-Isoleucine 4. N-DNP-Glycine 5. N-DNP-L-Serine 6. N-DNP-L-Arginine (all 0,2%)
Application volume	400 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of DNP amino acids

HPTLC CN F254s

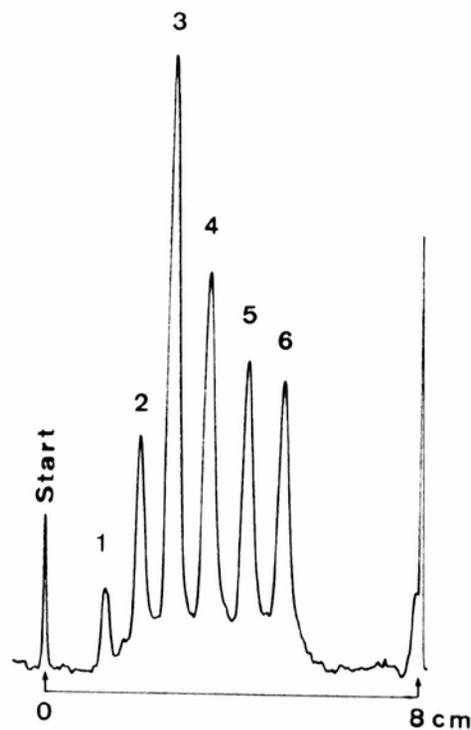
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Acetone/acetone/water 45/10/45 (v/v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. N,O-DNP-L-Tyrosine 2. N,S-di-DNP-L-Cysteine 3. N-DNP-L-Valine 4. N-DNP-L-Proline 5. N-DNP-L-Serine 6. N-DNP-L-Asparagine (all 0,2%)
Application volume	400 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of DNP amino acids

HPTLC CN F254s

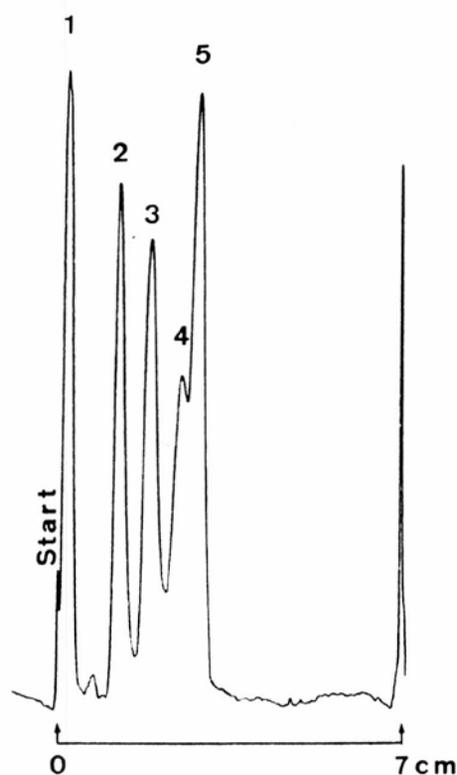
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Ethanol/acetone/water 25/30/45 (v/v/v) with addition of 0,2 mol/l lithium chloride
Migration Distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ne-DNP-L-Lysine hydrochloride 2. N,N'-di-DNP-L-Cystine 3. N-DNP-DL-Methionine 4. N-DNP-L-Alanine 5. N-DNP-L-Glutamic acid cyclohexylamine salt 6. N-DNP-L-Asparagine (all 0,2%)
Application volume	400 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of DNP amino acids

HPTLC CN F254s

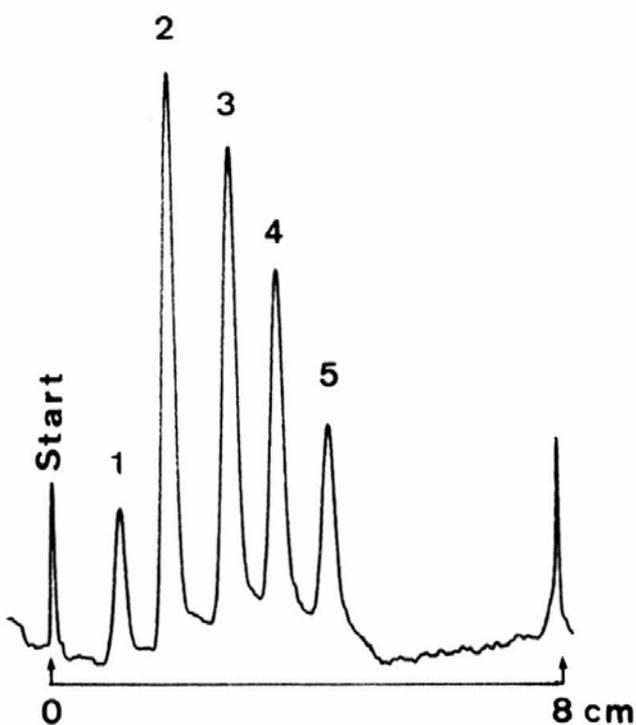
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Acetone/methanol /water 40/10/50 (v/v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. N,O-DNP-L-Tyrosine 2. N-DNP-L-Valine 3. N-DNP-L-Proline 4. N-DNP-L-Glutamic acid cyclohexylamine salt 5. N-DNP-L-Serine (all 0,2%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of DNP amino acids

HPTLC CN F254s

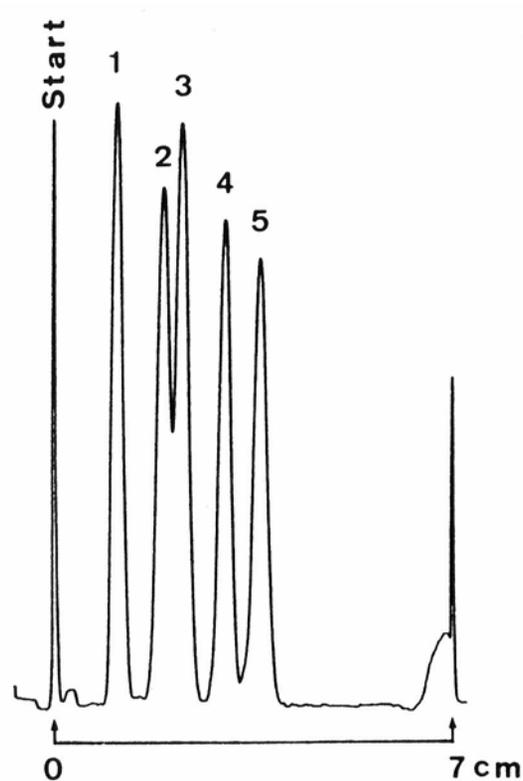
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Acetone/methanol /water 45/10/45 (v/v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ne-DNP-L-Lysine hydrochloride 2. N-DNP-DL-Norleucine 3. N-DNP-L-Alanine 4. N-DNP-L-Glutamic acid cyclohexylamine salt 5. N-DNP-Arginine (all 0,2%)
Application volume	400 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of PTH amino acids

HPTLC CN F254s

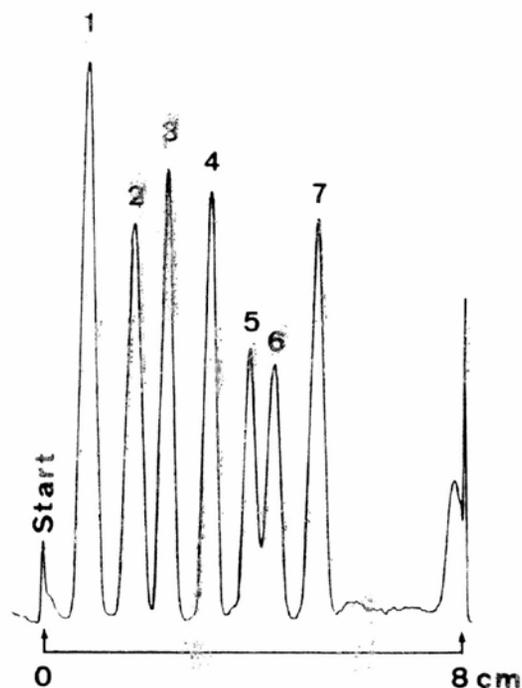
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Methanol/1-propanol/water 30/20/50 (v/v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. PTH-DL-Lysine 2. PTH-DL-Valine 3. PTH-DL-Proline 4. PTH-DL-Glutamic acid 5. PTH-DL-Serine (all 0,2%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of PTH amino acids

HPTLC CN F254s

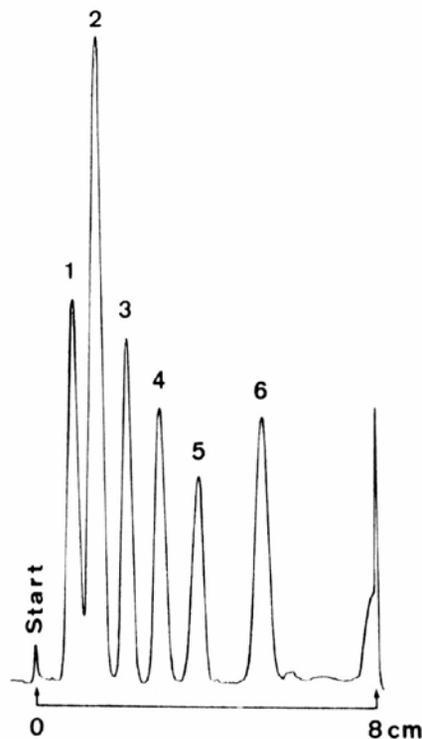
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Methanol/l-propanol /water 25/20/55 (v/v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	<ol style="list-style-type: none"> 1. PTH-DL-Lysine 2. PTH-DL-Proline 3. PTH-DL-Tyrosine 4. PTH-DL-Glutamic acid 5. PTH-DL-Glutamine 6. PTH-DL-Histridine 7. PTH-DL-Cysteic acid (all 0,2%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of PTH amino acids

HPTLC CN F254s

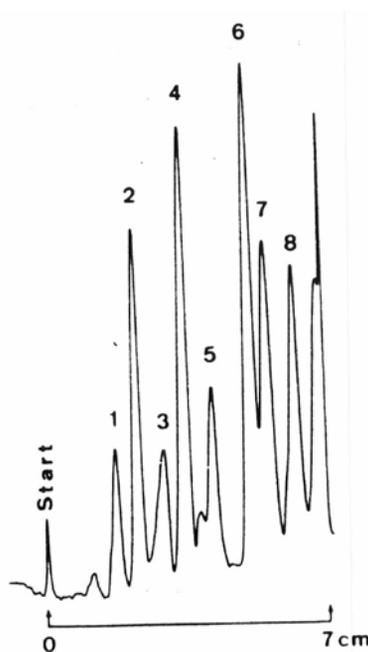
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Methanol/l-propanol /water 25/20/55 (v/v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. PTH-OL-Tryptophan 2. PTH-OL-Isoleucine 3. PTH-OL-Tyrosine 4. PTH-Glycine 5. PTH-OL-Arginine 6. PTH-OL-Cysteic acid (all 0,2%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of alkaloids

HPTLC CN F254s

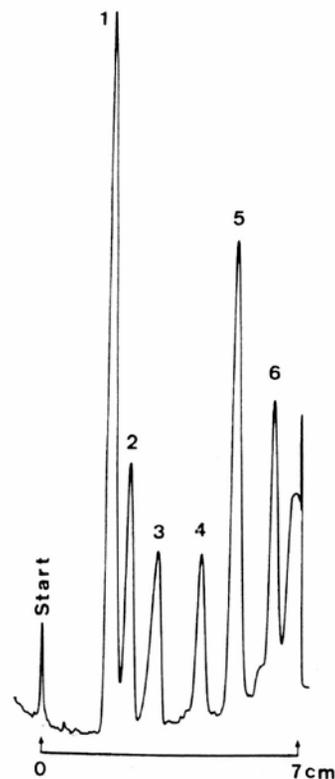
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Methanol/l-propanol /water/ammonia solution 25% 30/20/50/1 with addition of 0,1 mol/l ammonium bromide
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	<ol style="list-style-type: none"> 1. Emetine chloride (0,4%) 2. Quinine (0,1%) 3. Atropine (3,0%) 4. Brucine (0,1%) 5. Scopolamine (3,0%) 6. Caffeine (0,3%) 7. Nicotinamide (0,2%) 8. DL-Tropic acid (3,0%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of alkaloids

HPTLC CN F254s

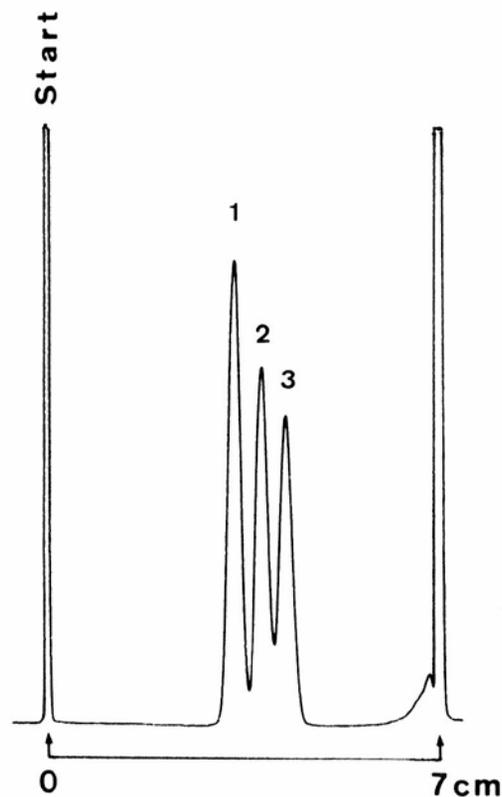
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Methanol/l-propanol /water/ammonia solution 25% 30/20/50/1 (v/v) with addition of 0,1 mol/l ammonium bromide
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Eupaverin chloride (0,1%) 2. Thebaine hydrochloride (0,2%) 3. Hordenine sulfate (1,0%) 4. Scopolamine (3,0%) 5. Caffeine (0,3%) 6. DL-Tropic acid (3,0%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of androgens

HPTLC CN F254s

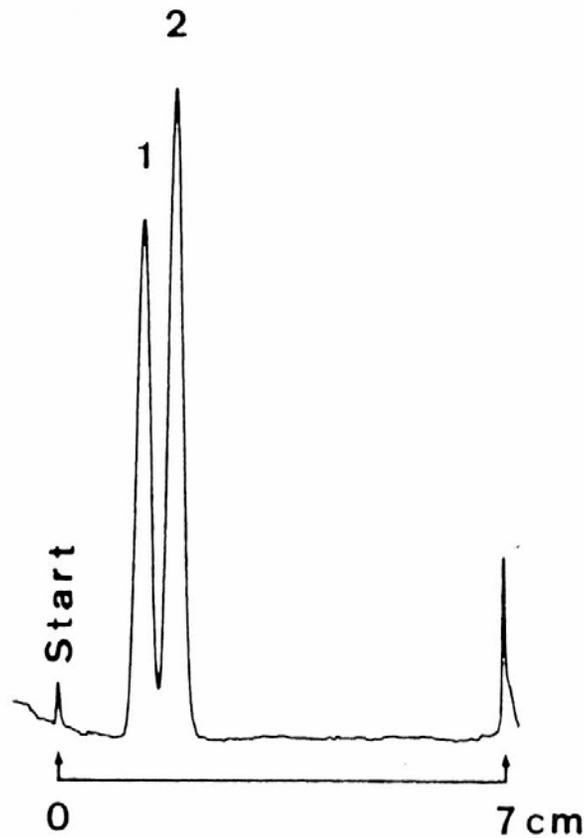
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Petroleum benzine (40-60°)/acetone 80/20 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Testosterone 2 5-Dehydro-Androsterone 3 Androsterone (all 0,2%)
Application volume	200 nl
Detection	Spray reagent: 5% methanolic perchloric acid heating up to 110°C for 5 min. UV 366 nm



Separation of benzoic acid and sorbic acid

HPTLC CN F254s

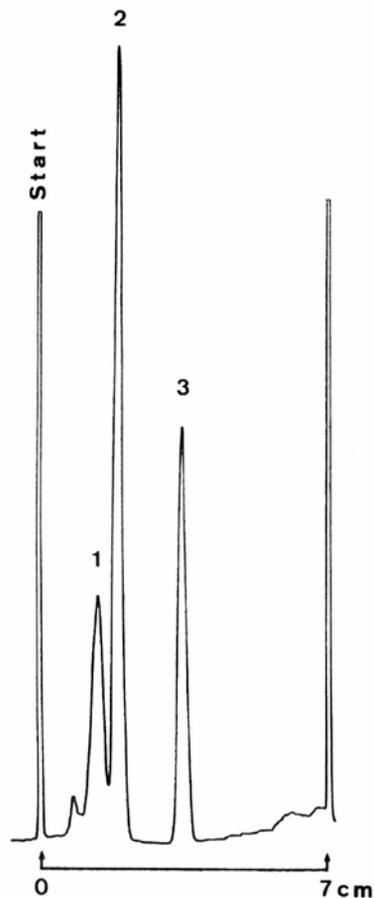
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Ethanol/water 20/80 (v/v) with addition of 0,1 mol/l tetraethylammonium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Benzoic acid (2,0%) 2. Sorbic acid (0,2%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of benzoic acid and sorbic acid

HPTLC CN F254s

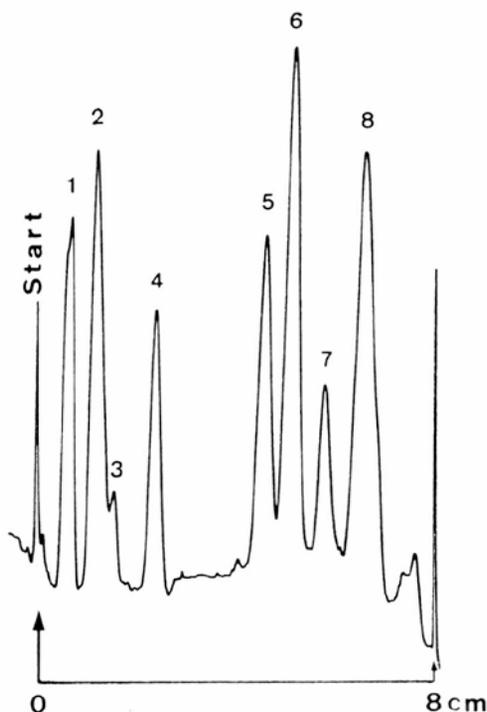
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Petroleum benzine 40-60°/acetone 65/35 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Digitoxigenin 2. Digoxigenin 3. Digoxin (all 0,05%)
Application volume	200 nl
Detection	Spray reagent: MnCl ₂ - sulfuric acid heating up to 110° C for 5 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm



Separation of some drugs

HPTLC CN F254s

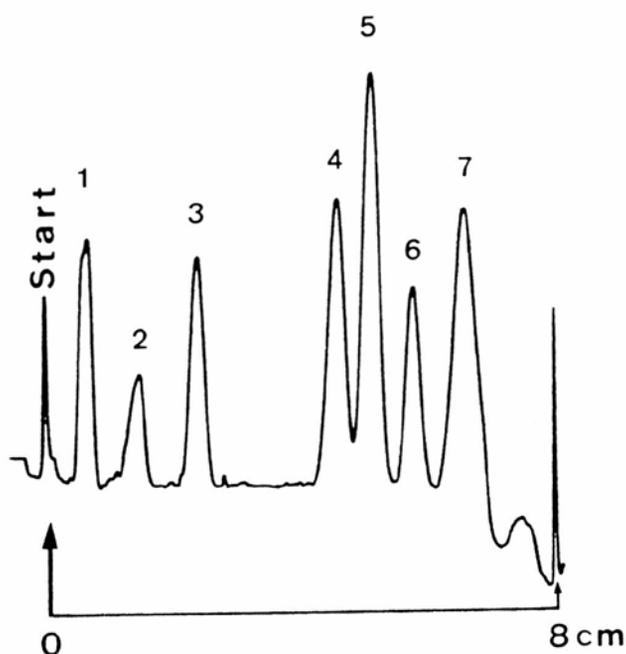
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Methanol/water 40/60 (v/v) with addition of 0,1 mol/l tetraethylammonium bromide
Migration Distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	<ol style="list-style-type: none"> 1. Thiogental (0,3%) 2. Methaqualone (0,1%) 3. Diphenhydramine hydrochloride (0,5%) 4. Luminal (0,5%) 5. Ethylmorphine hydrochloride (0,4%) 6. Codeine (0,35%) 7. Morphine hydrochloride (0,3%) 8. Barbituric acid (0,5%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some drugs

HPTLC CN F254s

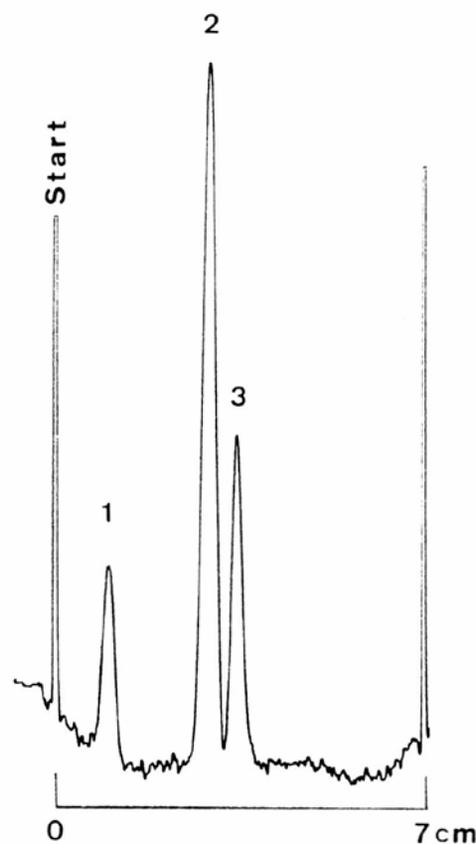
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Methanol/water 40/60 (v/v) with addition of 0,1 mol/l tetraethylammonium bromide
Migration Distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Thiogental (0,3%) 2. Diphenhydramine hydrochloride (0.5%) 3. Luminal (0,5%) 4. Ethylmorphine hydrochloride (0,4%) 5. Codeine (0.35%) 6. Morphine hydrochloride (0.3%) 7. Barbituric acid (0,5%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of estrone derivatives

HPTLC CN F254s

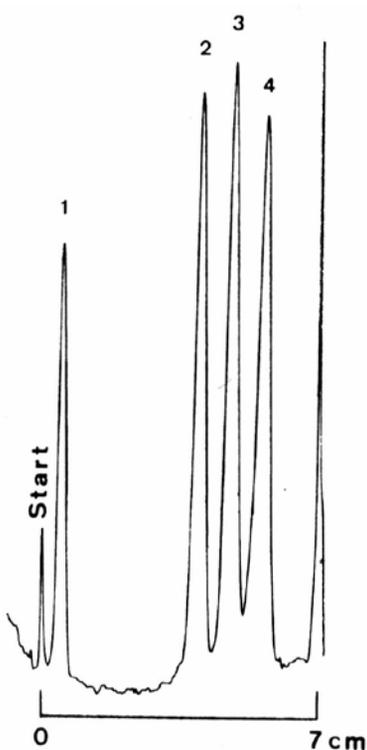
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Petroleum benzine 40–60°C/acetone 80/20 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Estriol 2. Estradiol 3. Estrone (all 0,1%)
Application volume	200 nl
Detection	Spray reagent: MnCl ₂ -sulfuric acid heating up to 120° C for 10 min. UV 366 nm



Separation of gallic acid and some of its esters

HPTLC CN F254s

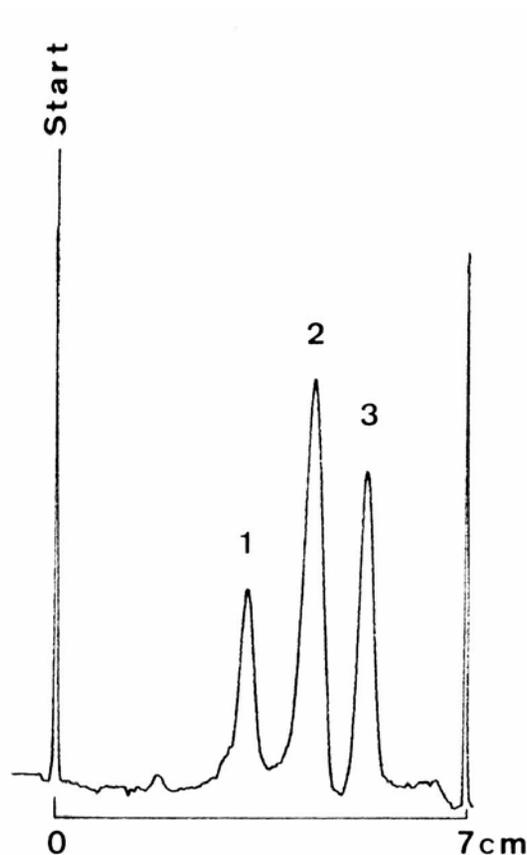
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Methanol/1N acetic acid 50/50 (v/v) with addition of 0,1 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Gallic acid dodecyl ester 2. Gallic acid propyl ester 3. Gallic acid methyl ester 4. Gallic acid (all 0,2%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of phenols

HPTLC CN F254s

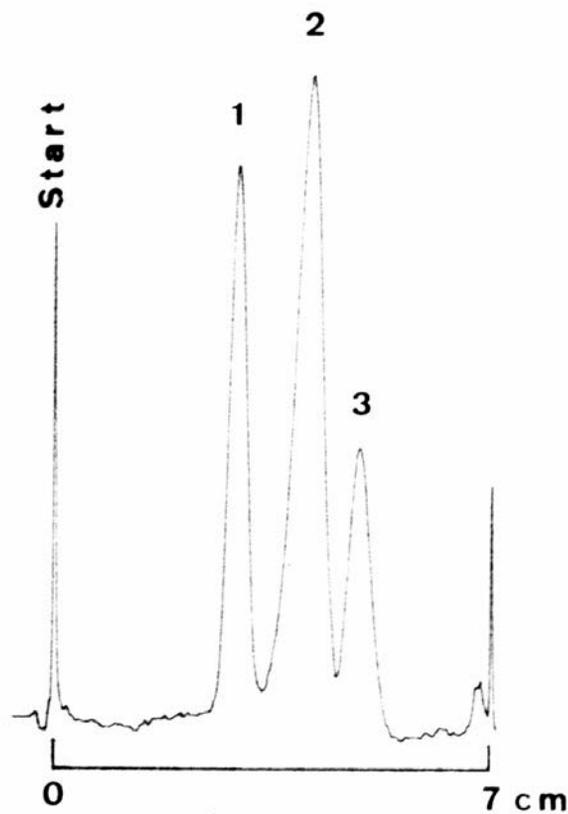
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Toluene/ethyl acetate 80/20 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Hydroquinone (0,4%) 2. Pyrocatechol (0,5%) 3. 2-Naphthol (0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 260 nm



Separation of phenols

HPTLC CN F254s

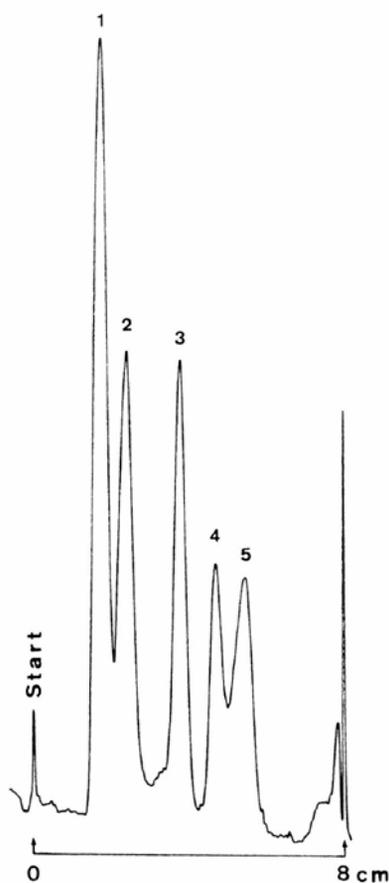
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Acetone/water/dioxan 50/50/20 (v/v/v)
Migration Distance	7 cm
Chamber	Normal chamber with chamber saturation
Compounds	1. o-Tolidine (0,1 %) 2. o-Aminophenol (0,5 %) 3. Pyrocatechol (0,5 %)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of phenols

HPTLC CN F254s

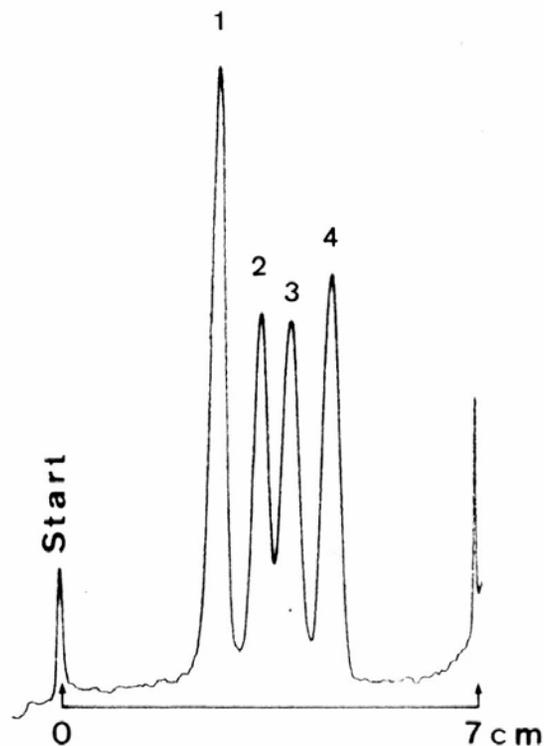
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Ethanol/water 40/60 (v/v) with addition of 0,2 mol/l lithium chloride
Migration Distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. p-Nitrophenol (0,5%) 2. p-Cresol (2,0%) 3. Pyrocatechol (0,5%) 4. Hydroquinone (0,4%) 5. o-Toluidine (0,5%)
Application volume	500 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



Separation of phenylenediamine

HPTLC CN F254s

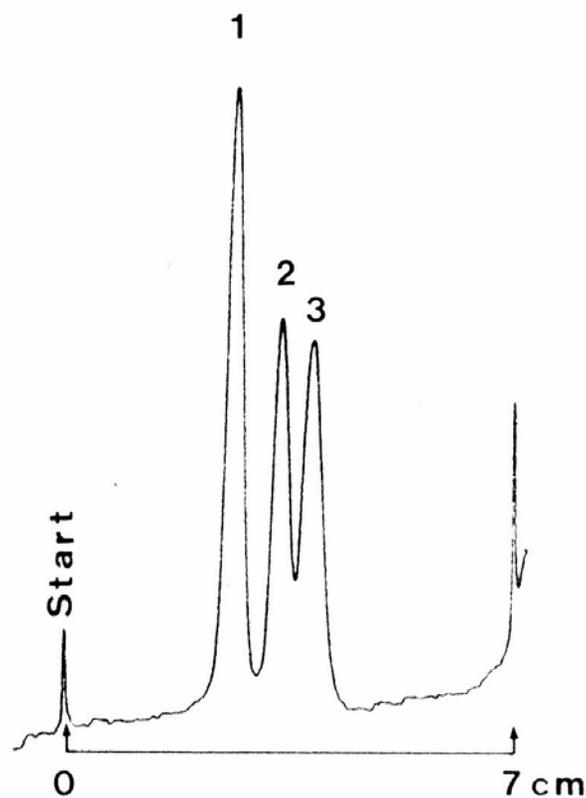
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Chloroforme/methanol 90/10 (v/v) 80% saturated with water
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 1,4-Phenylenediamine 2. 1,3-Phenylenediamine 3. 1,2-Phenylenediamine 4. 2-Methyl-1,3-phenylenediamine (all 0,2%)
Application volume	400 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



Separation of phenylenediamine

HPTLC CN F254s

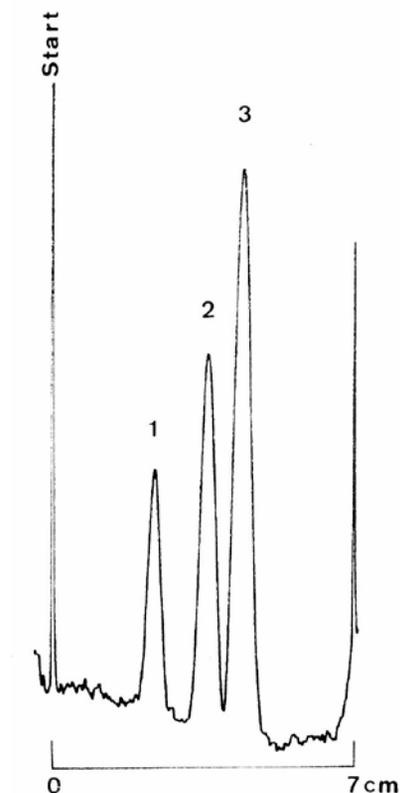
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Chloroform/methanol 90/10 (v/v) 80% saturated with water
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. p-Phenylenediamine 2. m-Phenylenediamine 3. o-Phenylenediamine (all 0,2%)
Application volume	400 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



Separation of polynuclear aromatic hydrocarbons

HPTLC CN F254s

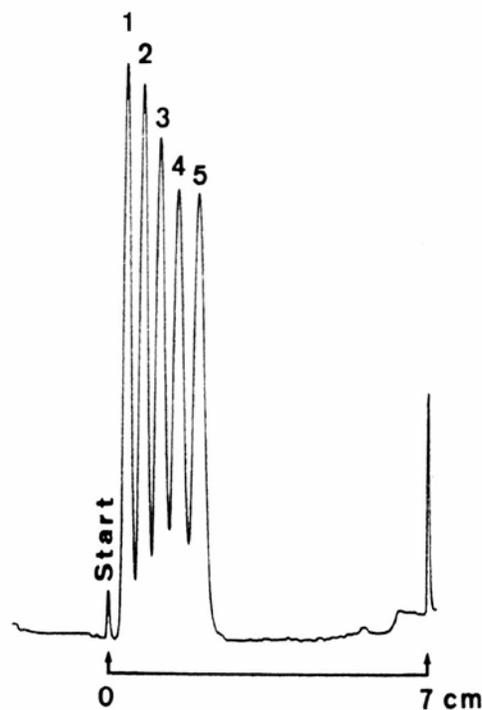
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	n-heptane/iso-octane 50/50 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Benzo(g,h, i)-perylene (0,01%) 2. Pyrene (0,1%) 3. Fluorene (0,01%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of preservatives

HPTLC CN F254s

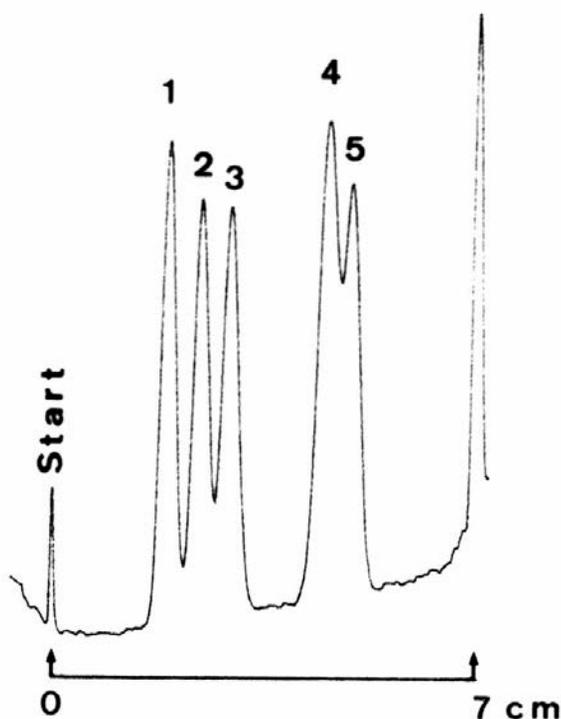
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Ethanol/water 20/80 (v/v) with addition of 0,1 mol/l tetraethylammonium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 4-Hydroxybenzoic acid propyl ester (0,1%) 2. 4-Hydroxybenzoic acid ethyl ester (0,1%) 3. 4-Hydroxybenzoic acid methyl ester (0,1%) 4. Benzoic acid (1,0%) 5. Sorbic acid (0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of preservatives

HPTLC CN F254s

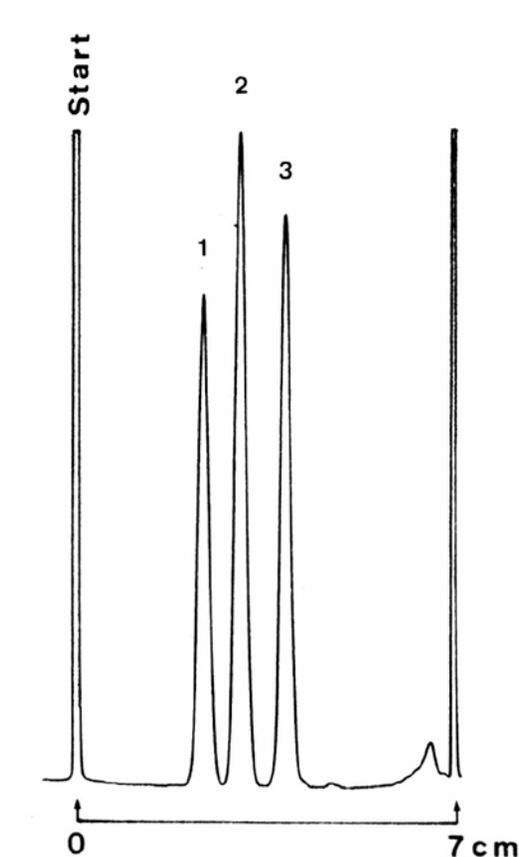
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Acetone/water 40/60 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 4-Hydroxybenzoic acid propyl ester 2. 4-Hydroxybenzoic acid ethyl ester 3. 4-Hydroxybenzoic acid methyl ester 4. Sorbic acid 5. 4-Hydroxybenzoic acid (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of sex hormone derivatives

HPTLC CN F254s

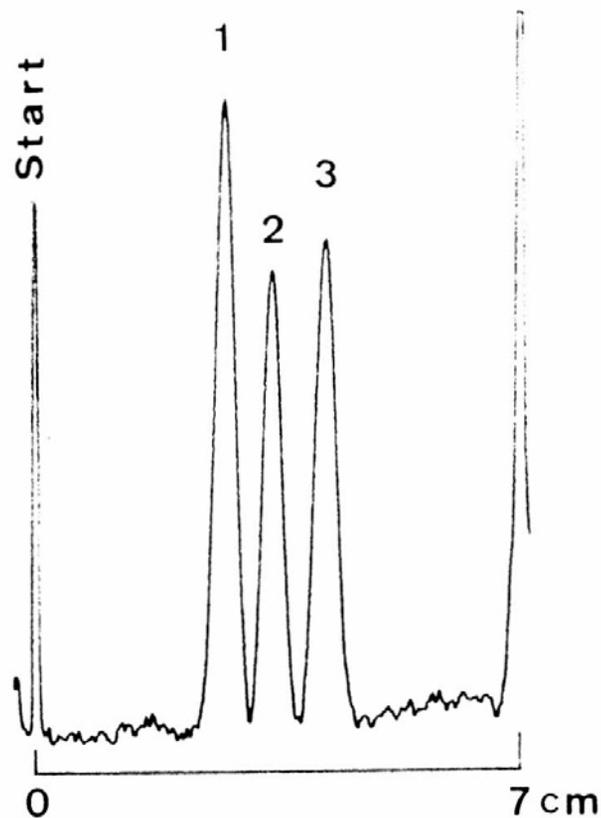
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Petroleum benzine (40-600)/ethanol 80/20 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 4-Androstene-3,17-dione 2. Progesterone 3. Pregnenolone (a 11 0,2%)
Application volume	200 nl
Detection	Spray reagent: 5% methanolic perchloric acid heating up to 110°C for 5 min. UV 366 nm



Separation of steroids

HPTLC CN F254s

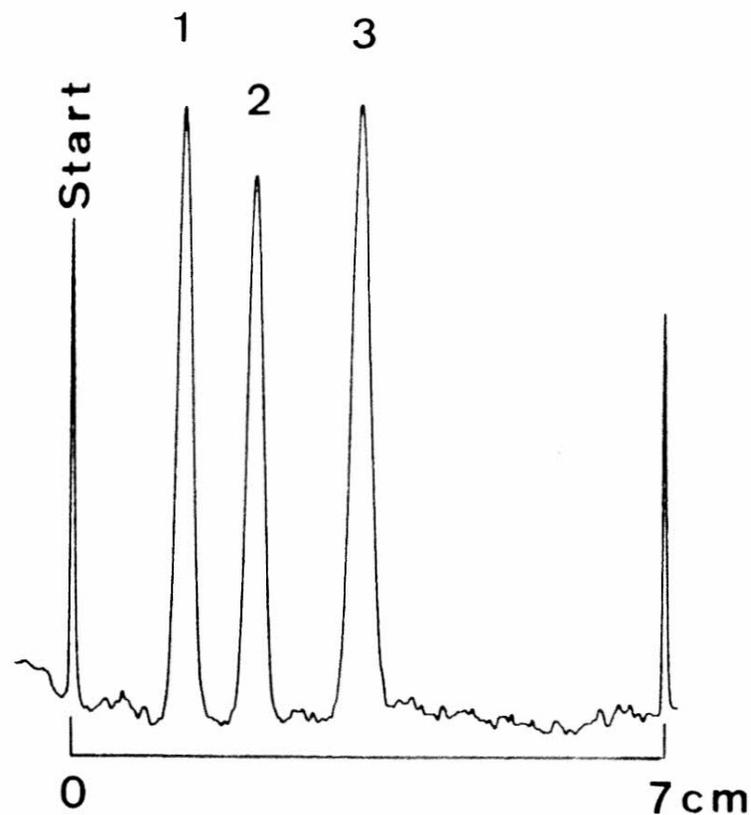
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Acetone/water 50/50 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Methyltestosterone 2. Reichstein's substance "S" 3. Hydrocortisone (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of steroids

HPTLC CN F254s

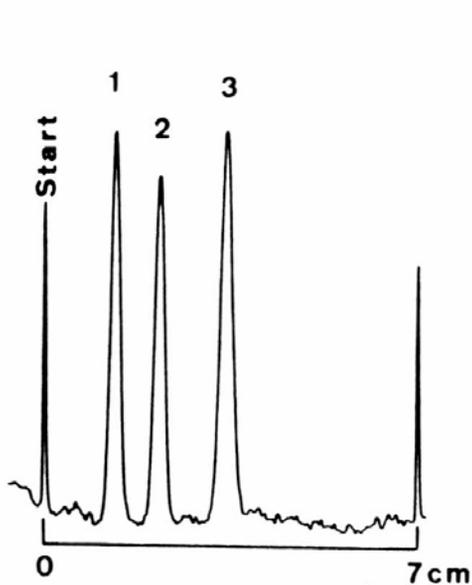
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Petroleum benzine (40-60°C)/acetone 80/20 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Hydrocortisone 2. Reichstein's substance "S" 3. Methyltestosterone (all 0.1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



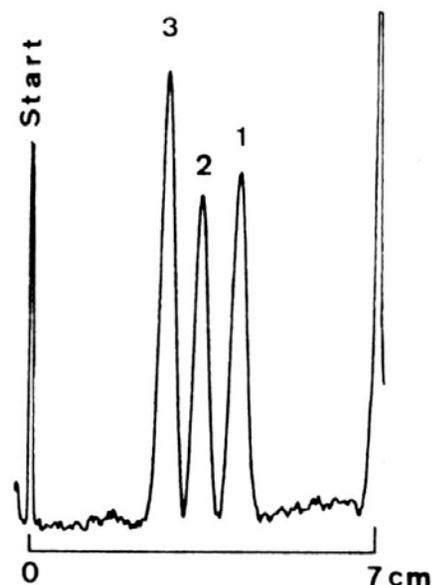
Separation of steroids

HPTLC CN F254s

Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	a. straight-phase system: petroleum benzene (40-60°)/acetone 80/20 b. reversed-phase system: acetone/water 50/50
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Hydrocortisone 2. Reichstein's substance "S" 3. Methyltestosterone (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



a.

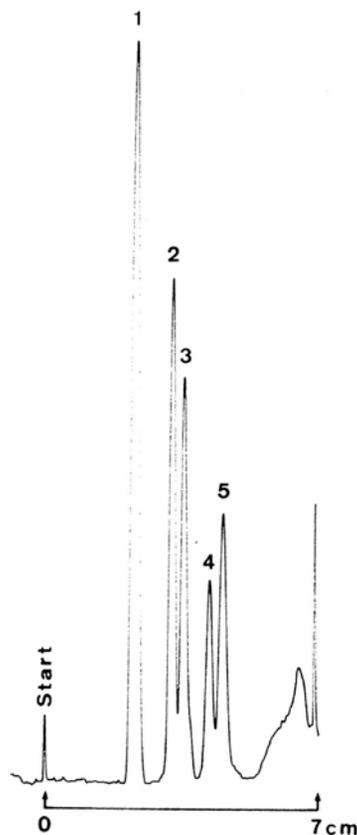


b.

Separation of mycotoxins

HPTLC CN F254s

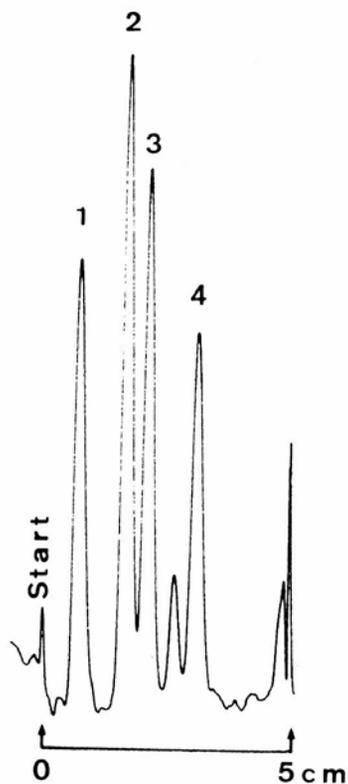
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Acetonitrile/buffer solution pH 2,00 50/50 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Zearalenone 2. Zeralenol 3. Rubratoxin B 4. Penicillic acid 5. Patulin (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of phthalic acid and some of its esters

HPTLC CN F254s

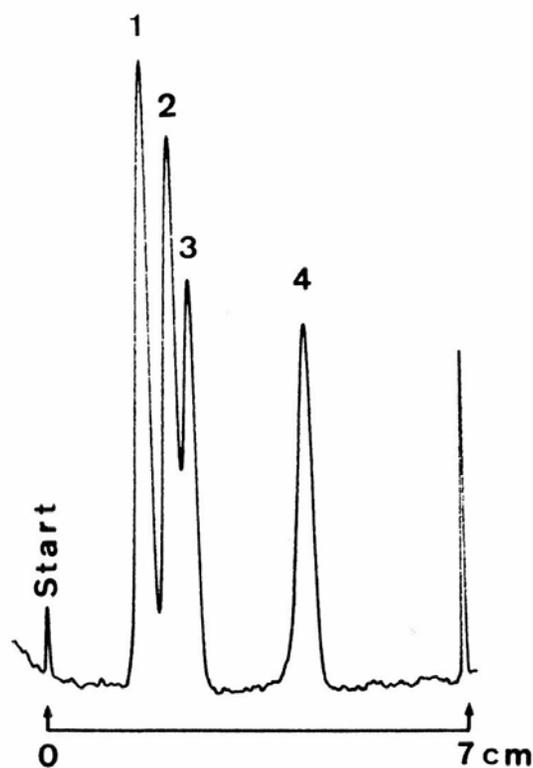
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Ethanol/water 50/50 (v/v) with addition of 0,1 mol/l tetraethylammonium chloride
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Dibutyl phthalate 2. Diethyl phthalate 3. Dimethyl phthalate 4. Phthalic acid (all 0,2%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm



Separation of preservatives

HPTLC CN F254s

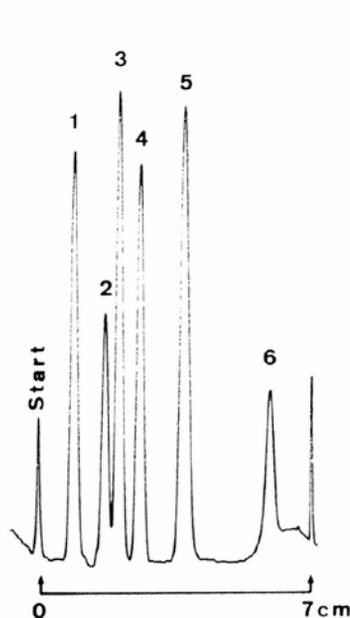
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	Ethanol/water/acetone 20/8g/10 (v/v/v) with addition of 0,1 mol/l tetraethylammonium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Benzoic acid 2,0% 2. Sorbic acid 0,1% 3. p-Hydroxybenzoic acid 0,1% 4. Gallic acid 0,1%
Application volume	100 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



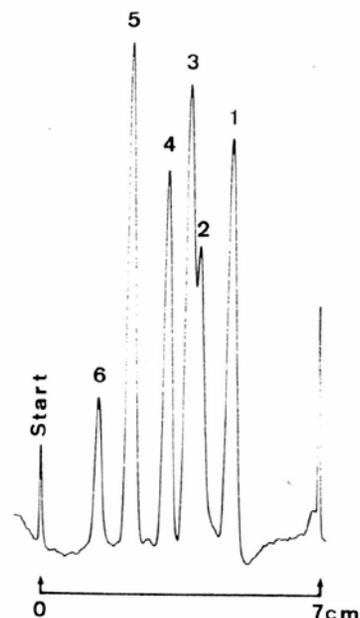
Separation of preservatives

HPTLC CN F254s

Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	a. straight-phase system: petroleum benzine (40–60°)/acetone 80/20 b. reversed-phase system: acetone/water 60/40
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 16-Methyleneprednisolone 2. Corticosterone 3. 11 α -Hydroxyprogesterone 4. Deoxycorticosterone 5. Progesterone 6. Pregnadienoloneacetate (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm



a.

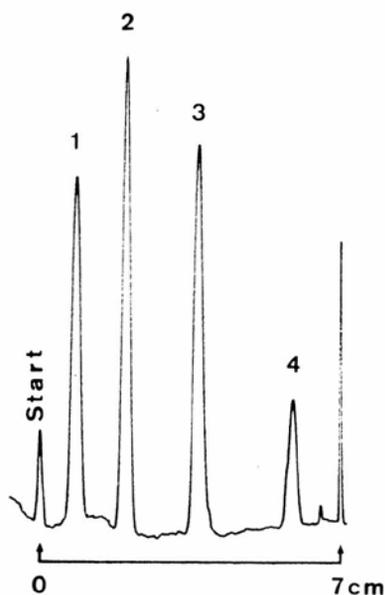


b.

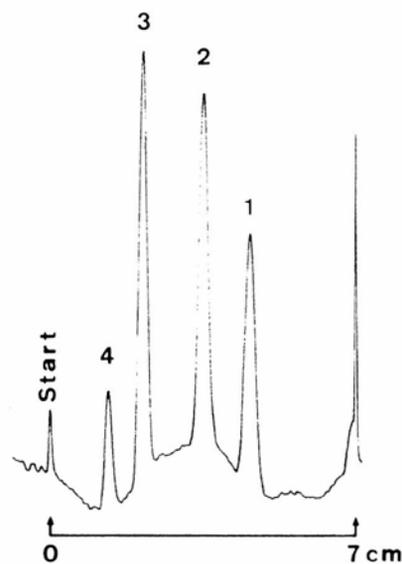
Separation of progesterones

HPTLC CN F254s

Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	a. straight-phase system: petroleum benzene (40-60°)/acetone 80/20 b. reversed-phase system: acetone/water 60/40
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 16-Methyleneprednisolone 2. 11 α -Hydroxyprogesterone 3. Progesterone 4. Pregnadienoloneacetate (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm



a.

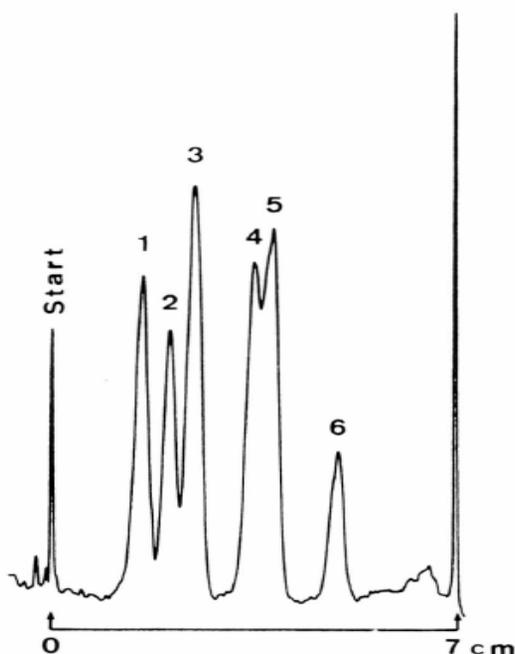


b.

Separation of anabolic compounds

HPTLC DIOL F254s

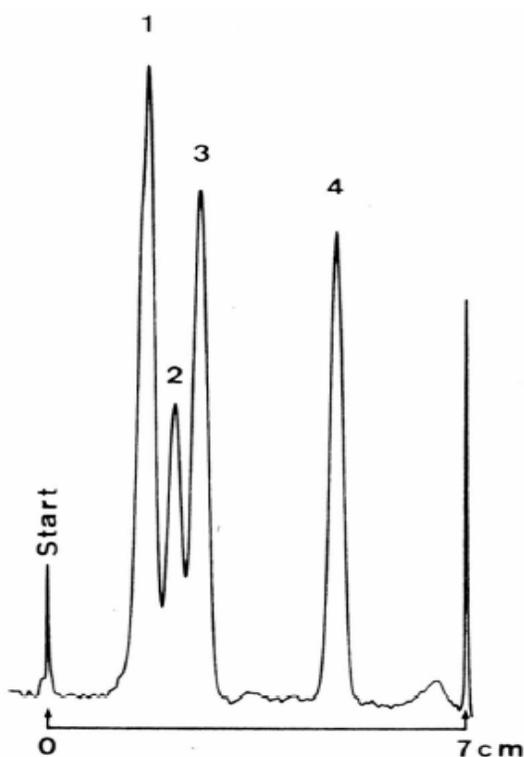
Plate	HPTLC pre-coated plate DIOL F 254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	Di-iso-propyl ether/acetic acid glacial 100/1 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 19-Nortestosterone 2. Medroxyprogesterone 3. Progesterone 4. 17 β -Estradiol 5. 17 α -Ethinylestradiol 6. Meso-Hexestrol (all 0,1%)
Application volume	300 nl
Detection	Spray reagent: MnCl ₂ – sulfuric acid heating up to 110°C for 5 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm



Separation of anabolic compounds

HPTLC DIOL F254s

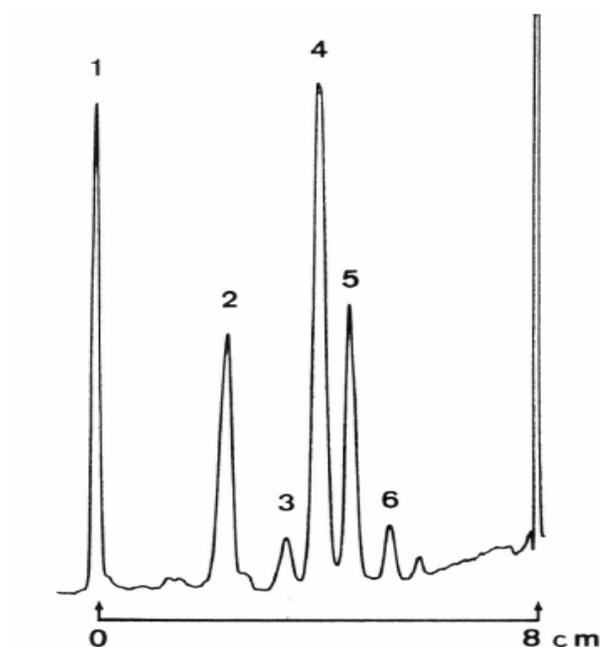
Plate	HPTLC pre-coated plate DIOL F 254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	Di-iso-propyl ether/acetic acid glacial 100/1 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 19-Nortestosterone 2. Medroxyprogesterone 3. Progesterone 4. α -Dienestrol (all 0,1%)
Application volume	300 nl
Detection	Spray reagent: $MnCl_2$ – sulfuric acid heating up to 110°C for 5 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm



Separation of digitalis glycosides

HPTLC DIOL F254s

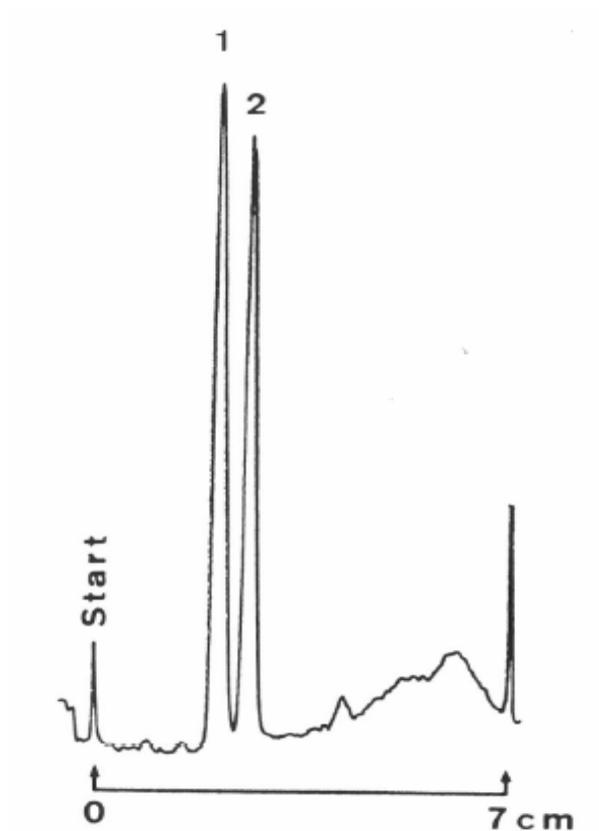
Plate	HPTLC pre-coated plate DIOL F 254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	Ethyl acetate/ammonia solution 25% 100/1 (v/v)
Migration distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	<ol style="list-style-type: none"> 1. Lanatoside C 2. Digoxin 3. Digitoxin 4. Digoxigenin 5. α-Acetyldigoxin 6. Digitoxigenin (all 0,1%)
Application volume	100 nl
Detection	<p>Spray reagent: MnCl_2 – sulfuric acid heating up to 110°C for 10 min.</p> <p>In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm</p>



Separation of ingredients in contraceptive pills

HPTLC DIOL F254s

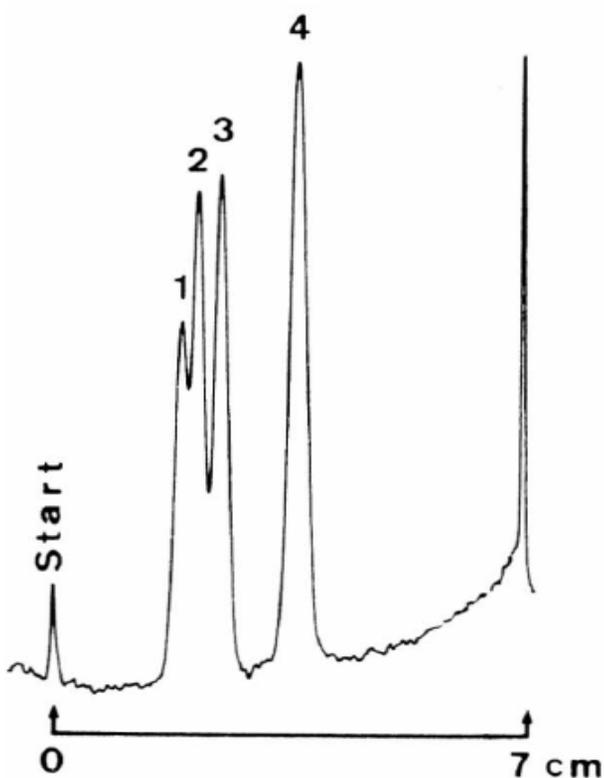
Plate	HPTLC pre-coated plate DIOL F254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	Petroleum benzine (40-60°)/acetone 80/20 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Norethindrone 2. Mestranol (all 0,2%)
Application volume	200 nl
Detection	Dipped in $MnCl_2$ – sulfuric acid heating up to 110°C for 5 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 470 nm



Separation of weak polar steroids

HPTLC DIOL F254s

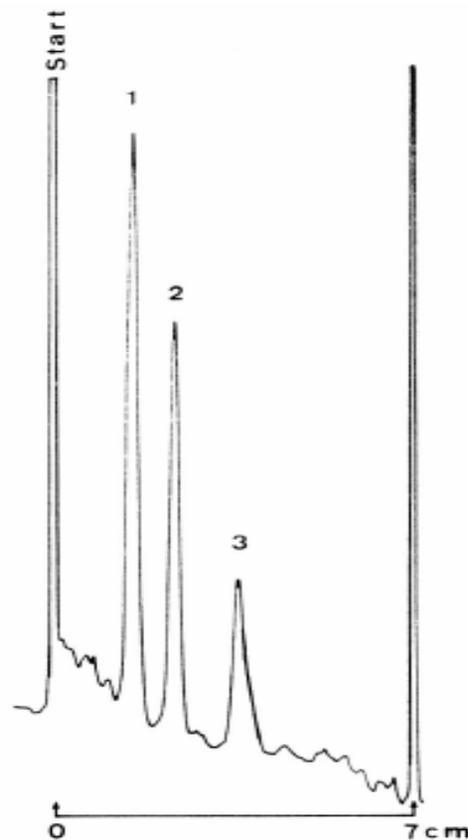
Plate	HPTLC pre-coated plate DIOL F254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	Di-iso-propyl ether/acetone/acetic acid glacial 80/20/1 (v/v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Dexamethasone 2. Cortisol 3. Corticosterone 2. Deoxycorticosterone (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of steroids

HPTLC DIOL F254s

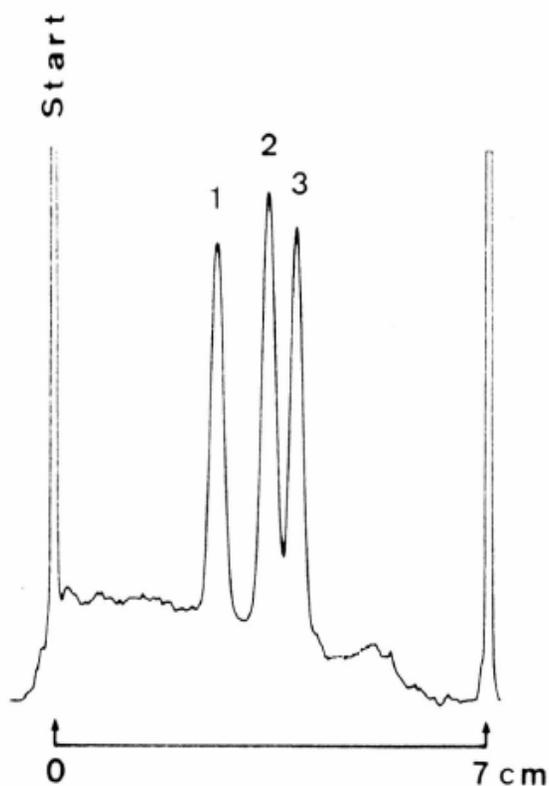
Plate	HPTLC pre-coated plate DIOL F254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	N-hexane/acetone 90/10 (v/v) temperature of development: + 4°C
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. β -Sitosterol 2. Diosgenin 3. Lanosterol (all 0,2%)
Application volume	100 nl
Detection	Spray reagent: MnCl_2 -sulfuric acid heating up to 110°C for 5 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm



Separation of testosterones

HPTLC DIOL F254s

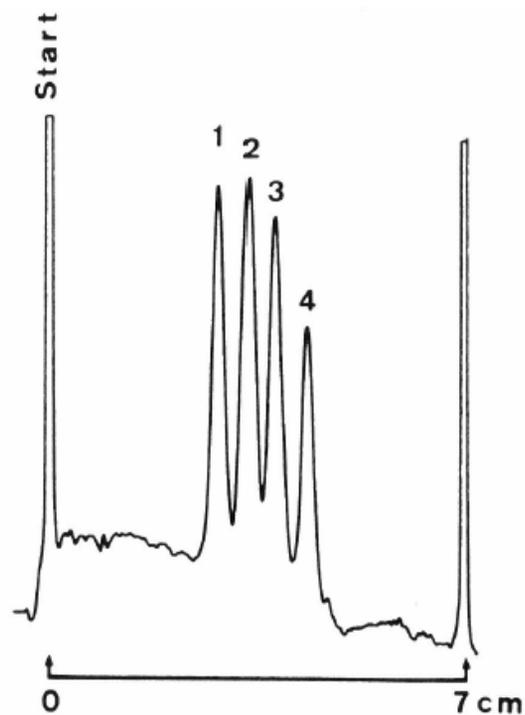
Plate	HPTLC pre-coated plate DIOL F254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	Di-iso-propyl ether
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 1,4-Androstadien-3, 17-dione 2. Epiandrosterone 3. Androsterone (all 0,1%)
Application volume	200 nl
Detection	Spray reagent: $MnCl_2$ -sulfuric acid heating up to 110°C for 10 min In-situ evaluation with TLC/HPTLC scanner (Camag) λ 540 nm



Separation of testosterones

HPTLC DIOL F254s

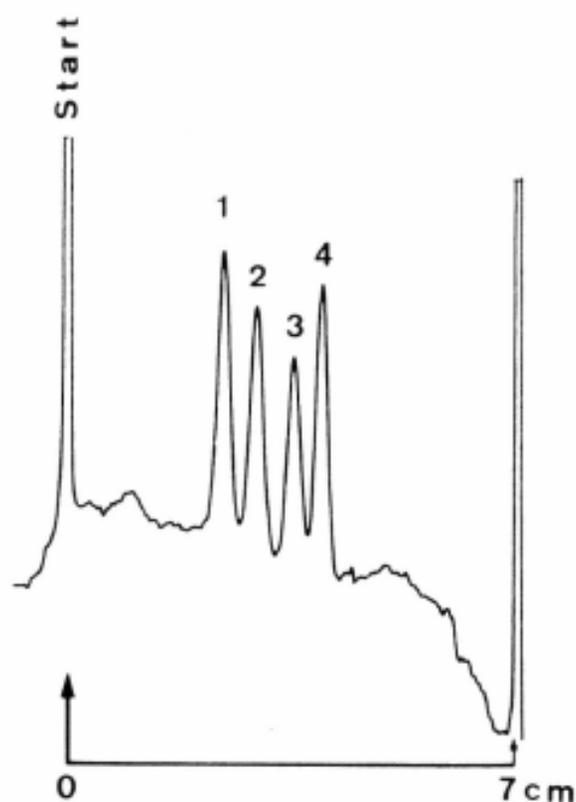
Plate	HPTLC pre-coated plate DIOL F254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	Di-iso-propyl ether
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Testosterone 2. Epiandrosterone 3. Androsterone 4. Testosterone propionate (all 0,1%)
Application volume	200 nl
Detection	Spray reagent: MnCl_2 -sulfuric acid heating up to 110°C for 10 min In-situ evaluation with TLC/HPTLC scanner (Camag) λ 540 nm



Separation of testosterones

HPTLC DIOL F254s

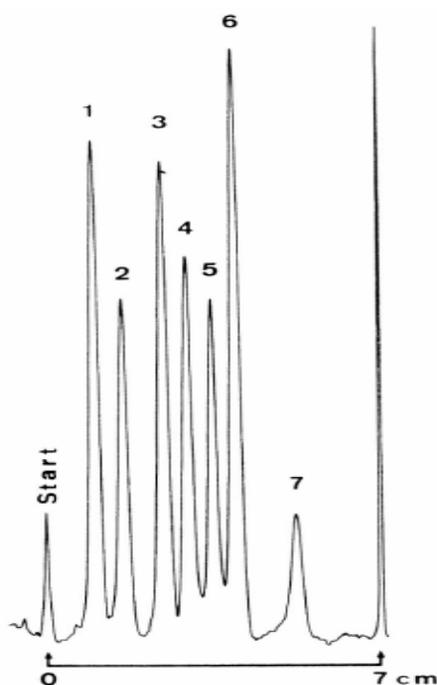
Plate	HPTLC pre-coated plate DIOL F254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	Di-iso-propyl ether
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 1,4 α -Androstatrien-3, 17-dione 2. Epiandrosterone 3. 5 β -Dihydrotestosterone 4. Androstane-3, 17-dione (all 0,1%)
Application volume	200 nl
Detection	Spray reagent: MnCl ₂ -sulfuric acid heating up to 110°C for 10 min In-situ evaluation with TLC/HPTLC scanner (Camag) λ 540 nm



Separation of progesterones

HPTLC DIOL F254s

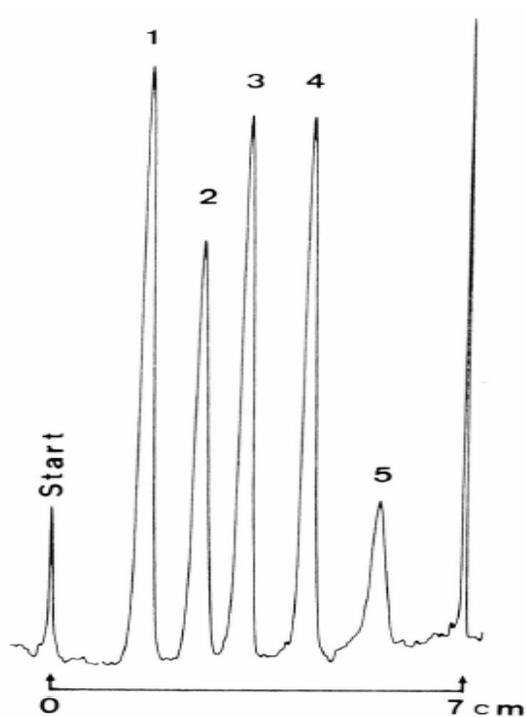
Plate	HPTLC pre-coated plate DIOL F254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	Petroleum benzine (40-60°)/acetone 75/25 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	<ol style="list-style-type: none"> 1. 16-Methylprednisolone 2. 16-Methyl-4-pregnene-3,20-dione-11α-17α-diol 3. 11α-Hydroxyprogesterone 4. Deoxycorticosterone 5. 6-Methyl-6-dehydro-17α-progesterone 6. Progesterone 7. Pregnadienoloneacetate (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of progesterones

HPTLC DIOL F254s

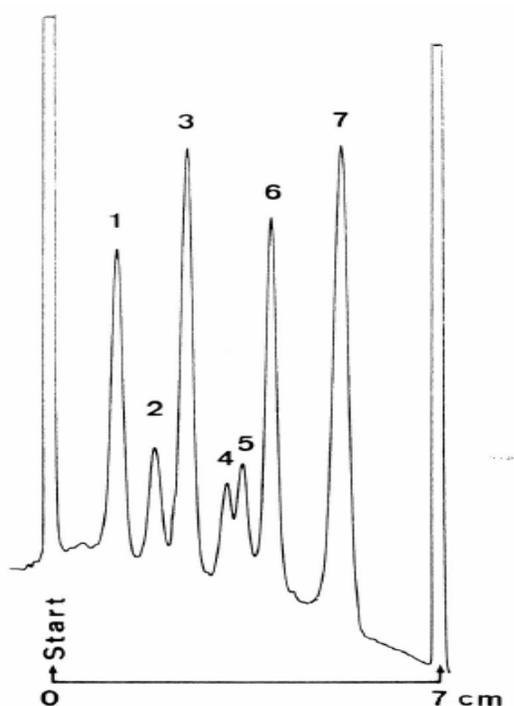
Plate	HPTLC pre-coated plate DIOL F254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	Petroleum benzine (40-60°)/acetone 75/25 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Prednisone 2. 11,17-Ketoprogesterone 3. Reichstein's substance "S" 4. Progesterone 5. Pregnadienoloneacetate (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of progesterones

HPTLC DIOL F254s

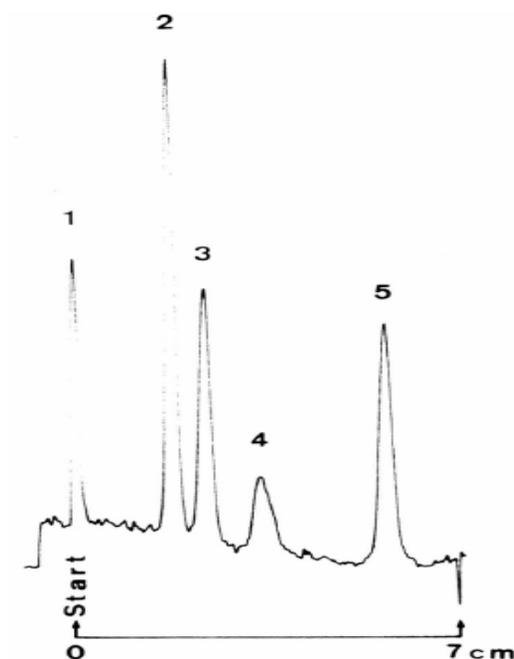
Plate	HPTLC pre-coated plate DIOL F254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	Petroleum benzine (40-60°)/acetone 75/25 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	<ol style="list-style-type: none"> 1. 9α-Flourohydrocortisone 2. Allo-Dihydrocortisone 3. 11α-Pregnane-3α-2α-diol 4. Pregnanediol 5. Pregnadienoloneacetate 6. Progesterone 7. Pregnadienoloneacetate (all 0,1%)
Application volume	300 nl
Detection	<p>Spray reagent: MnCl₂-sulfuric acid heating up to 110°C for 5 min.</p> <p>In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm.</p>



Separation of steroids

HPTLC DIOL F254s

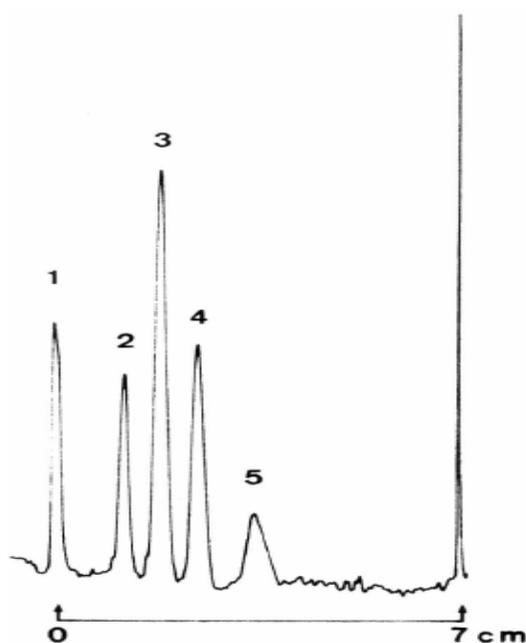
Plate	HPTLC pre-coated plate DIOL F254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	N-hexane/acetone/acetic acid glacial 90/10/1 (v/v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Quercetin 2. Diosgenin 3. Cholesterol 4. Lanosterol 5. Cholesteryl-3-acetate (all 0,1%)
Application volume	200 nl
Detection	Spray reagent: MnCl_2 -sulfuric acid heating up to 110°C for 5 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm.



Separation of steroids

HPTLC DIOL F254s

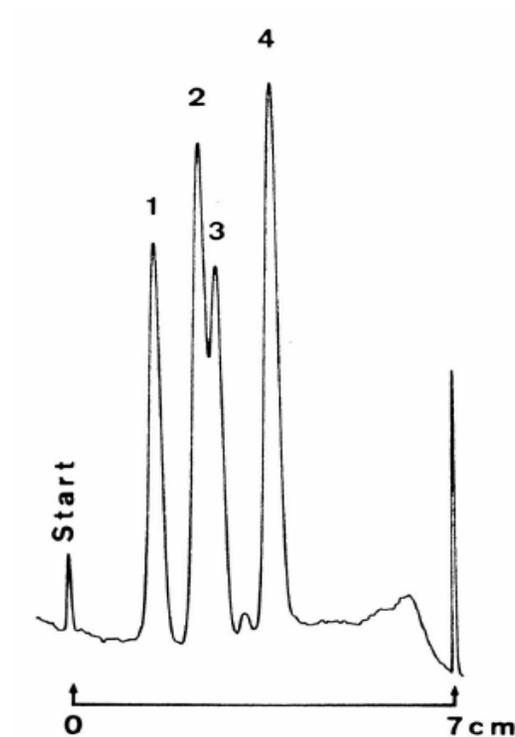
Plate	HPTLC pre-coated plate DIOL F254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	N-hexane/acetone/acetic acid glacial 90/10/1 (v/v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Quercetin 2. Penogenin 3. Diosgenin 4. Stigmasterol 5. Lanosterol (all 0,1%)
Application volume	200 nl
Detection	Spray reagent: MnCl_2 -sulfuric acid heating up to 110°C for 5 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm.



Separation of pesticides

HPTLC DIOL F254s

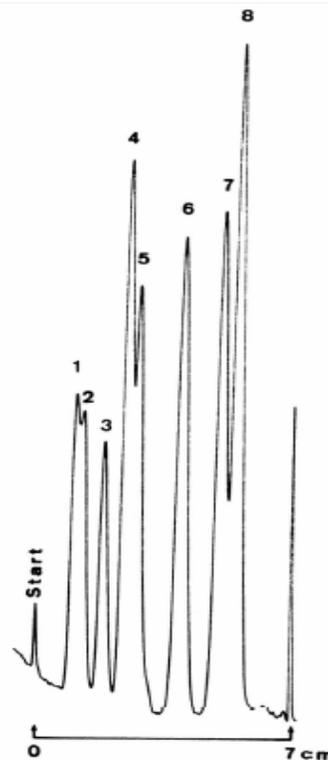
Plate	HPTLC pre-coated plate DIOL F254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	Petroleum benzene (40–60°)/acetone 80/20 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	Derivatives of urea: 1. Mehoxuron 2. Monuron 3. Chlortoluron 4. Methobromuron (all 0,2%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 238 nm.



Separation of some pesticides

HPTLC DIOL F254s

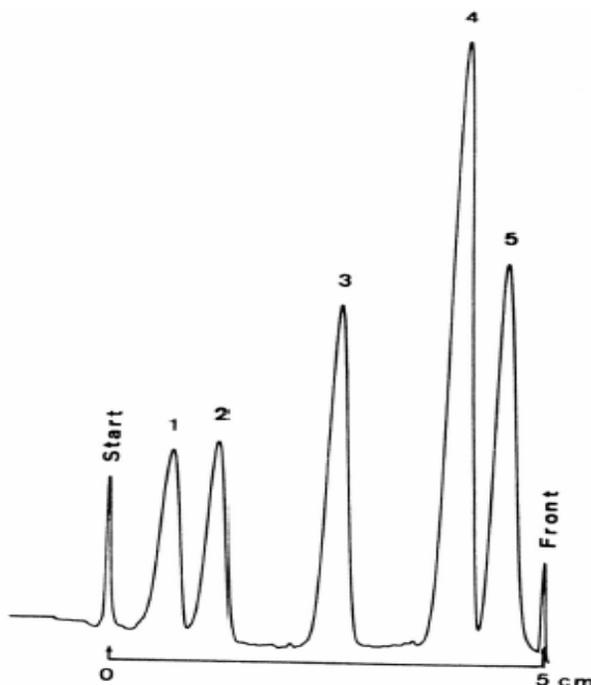
Plate	HPTLC pre-coated plate DIOL F254s (P/N 1. 05636, alt. P/N 1. 12668)
Eluent	Petroleum benzine (40-60°)/acetone 85/15 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Monuron 0,2% 2. Chlortoluron 0,2% 3. Simazin 0,2% 4. Sebuthylazin 0,2% 5. Propazin 0,2% 6. Metolachlor 0,4% 7. Pendimethalin 0,2% 8. Trifluralin 0,2%
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 230 nm.



Separation of adenine, adenosine and its phosphates

HPTLC DIOL F254s

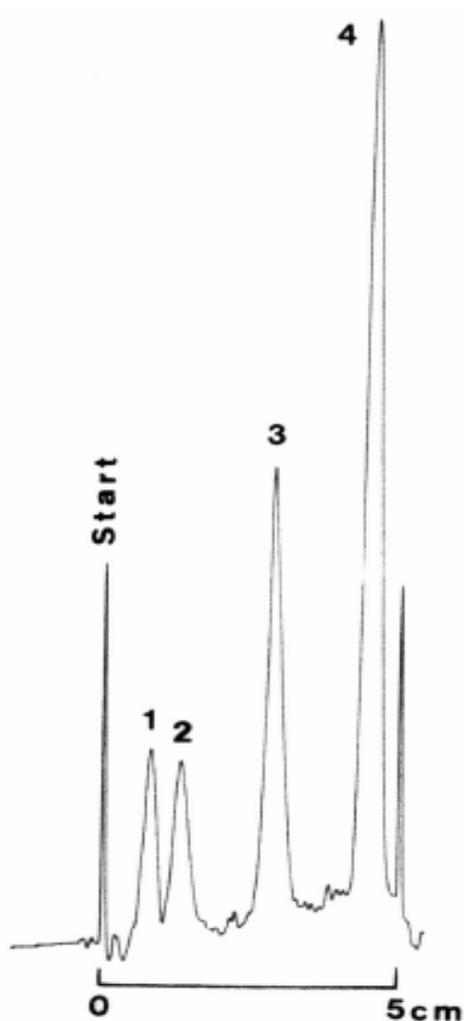
Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N 1. 13192, alt. P/N 1. 15647)
Eluent	Ethanol/water 30/70 (v/v) with addition of 0,2 mol/l NaCl
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. ATP 2. ADP 3. AMP 4. Adenine 5. Adenosine (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm.



Separation of adenosine phosphates

HPTLC DIOL F254s

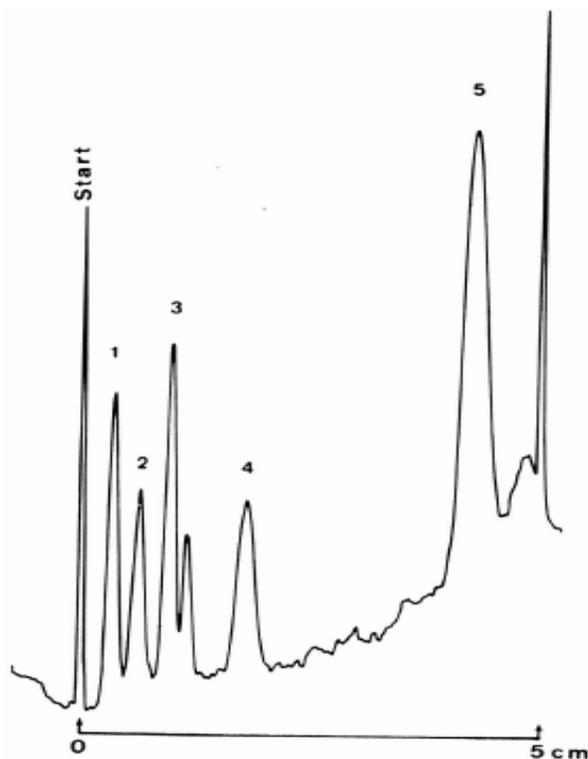
Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N 1. 13192, alt. P/N 1. 15647)
Eluent	Methanol/water 30/70 (v/v) with the addition of 0,5g NaCl
Migration distance	5 cm
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm.
Sample substances	ATP (1), ADP (2), AMP (3), adensine (4)
Sample size	200 nl (all 0,1%)



Separation of some benzenecarboxylic acids

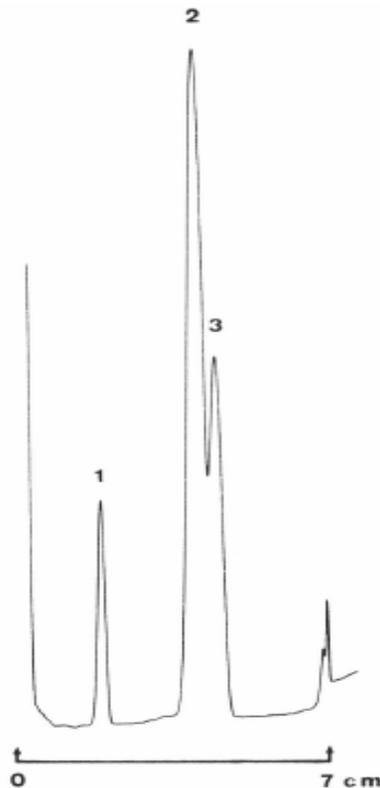
HPTLC DIOL F254s

Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N 1. 13192, alt. P/N 1. 15647)
Eluent	Ethanol/ammonia pH 12 60/40 (v/v) with the addition of 0,18 mol/l NaCl
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Pyromellitic acid 2. Benzene-1,2,3-tricarboxylic acid 3. Benzene-1,2,4-tricarboxylic acid 4. Phthalic acid 5. Benzoic acid (all 0,2%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm.



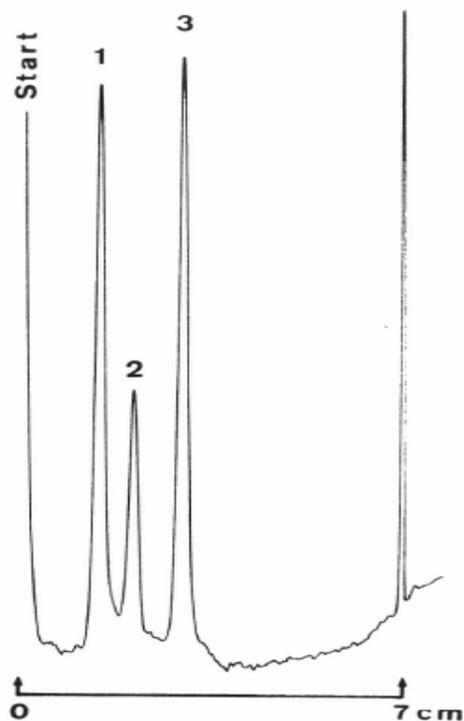
Separation of ingredients in circulatory stimulants

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1. 13124)
Eluent	Aceton/water 30/70 (v/v) with addition of 0,1 mol/l ammonium bromide
Migration distance	7 cm
Chamber	Normal chamber with chamber saturation
Compounds	1. Papaverine hydrochloride 0,003% 2. Paracetamol 0,1% 3. Theobromine 0,05%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm.



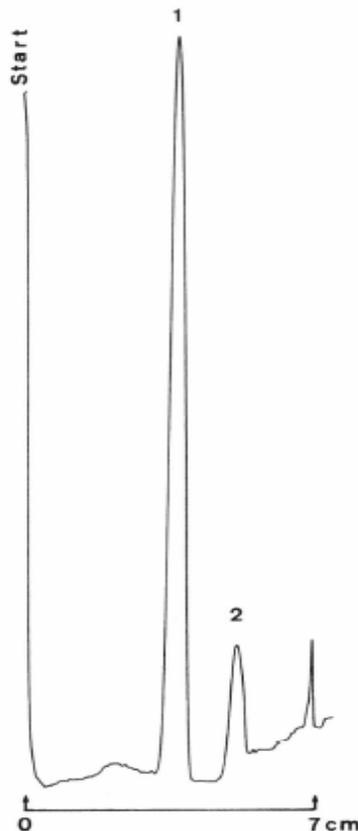
Separation of ingredients in cardiac agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1. 13124)
Eluent	Methanol/water/acetonitrile 50/50/30 (v/v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Lanatoside A 2. Lanatoside B 3. Lanatoside C
Application volume	5 μ l
Detection	Dipped in MnCl ₂ -sulfuric acid heating up to 110°C for 5 min. In-situ evaluation with TLC/HPTLC scanner (Camag) wave-length 440 nm.



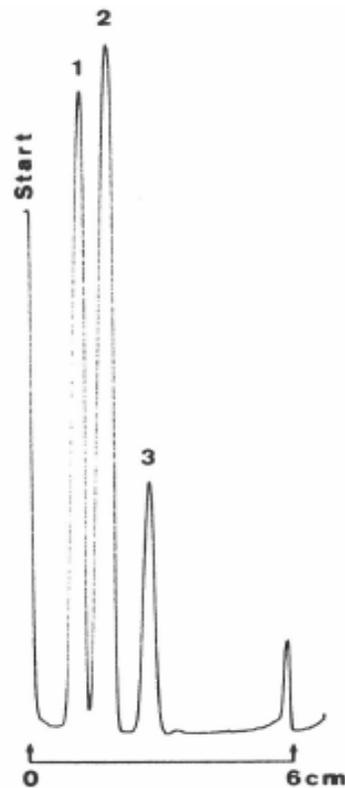
Separation of ingredients in anti-asthmatic agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1. 13124)
Eluent	Acetonitrile/water 30/70 (v/v) with addition of 0,1 mol/l TEACl
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Theophylline 0,25% 2. Ephedrine 0,125%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 210 nm.



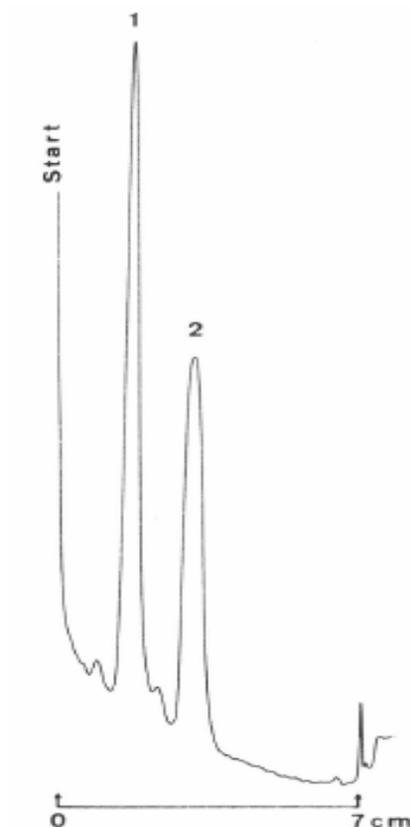
Separation of ingredients in analgesic agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1. 13124)
Eluent	Acetonitrile/water 40/60 (v/v)
Migration distance	6 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Propyphenazone 0,15% 2. Phenacetin 0,25% 3. Caffeine 0,03%
Application volume	5 µl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm.



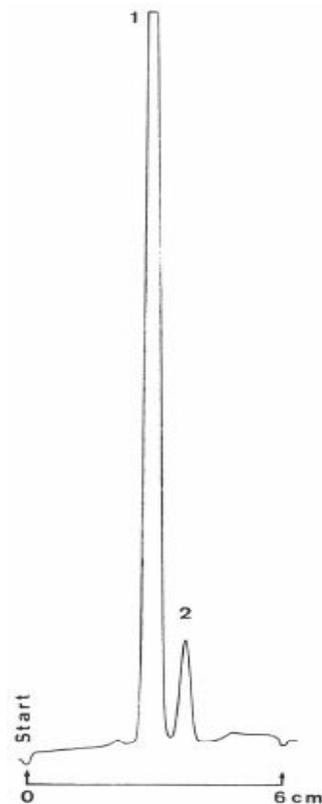
Separation of hormones (drug for the climacteric period)

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1. 13124)
Eluent	Acetonitrile/water 40/60 (v/v)
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Estradiol 0,4% 2. Estriol 0,2%
Application volume	5 μ l
Detection	Dipped in MnCl ₂ -sulfuric acid heating up to 110°C for 2 min. In-situ evaluation with TLC/HPTLC scanner (Camag) wave-length 440 nm.



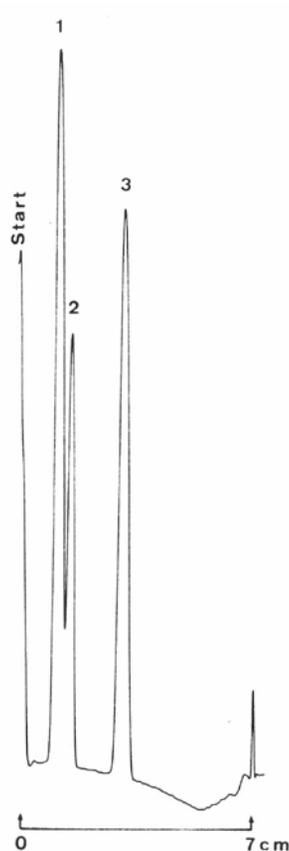
Separation of hormones (drug for the climacteric period)

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1. 13124)
Eluent	Methanol/acetonitrile/water 30/70/5 (v/v/v)
Migration distance	6 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Testosterone enanthate 225mg/25ml 2. Estradiol valerate 10mg/25ml
Application volume	5 μ l
Detection	Dipped in $MnCl_2$ -sulfuric acid heating up to 110°C for 10 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm.



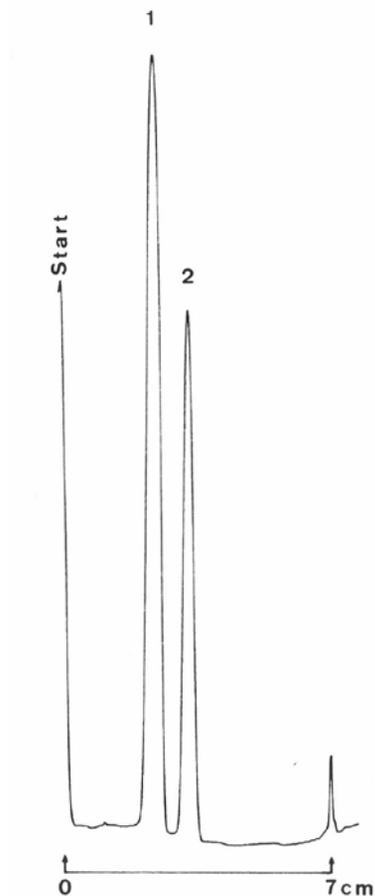
Separation of ingredients in analgesic agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Acetonitrile/water 40/60 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Propyphenazone 2. Papaverine hydrochloride 3. Caffeine
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



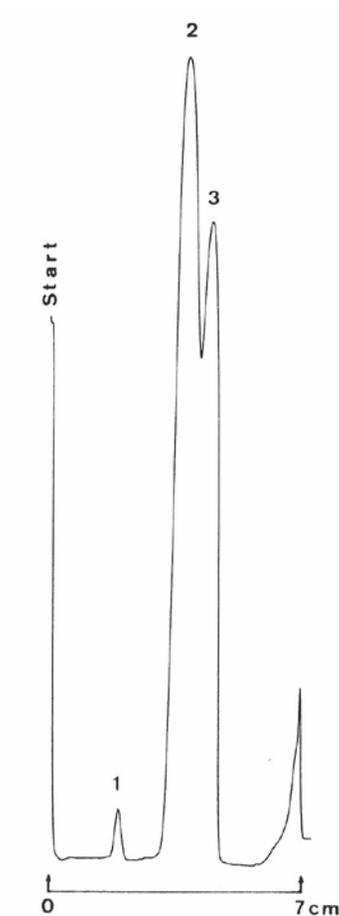
Separation of ingredients in analgesic agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Acetonitrile/water 40/60 (v/v) with addition of 0,1 mol/l ammonium bromide
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Phenazone 0,25% 2. Caffeine 0,05%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



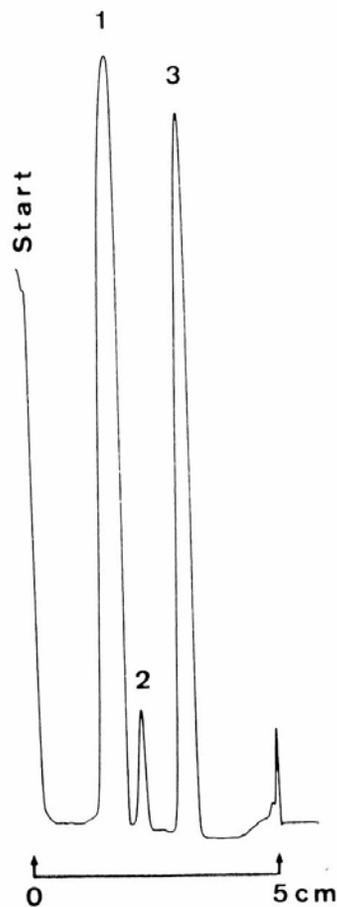
Separation of ingredients in anti-migraine agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Methanol/water 60/40 (v/v) with addition of 0,1 mol/l ammonium bromide
Migration Distance	7 cm
Chamber	Normal chamber with chamber saturation
Compounds	1. Ergotamine tartrate 0,01% 2. Acetylsalicylic acid 2,5% 3. Caffeine 1,0%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



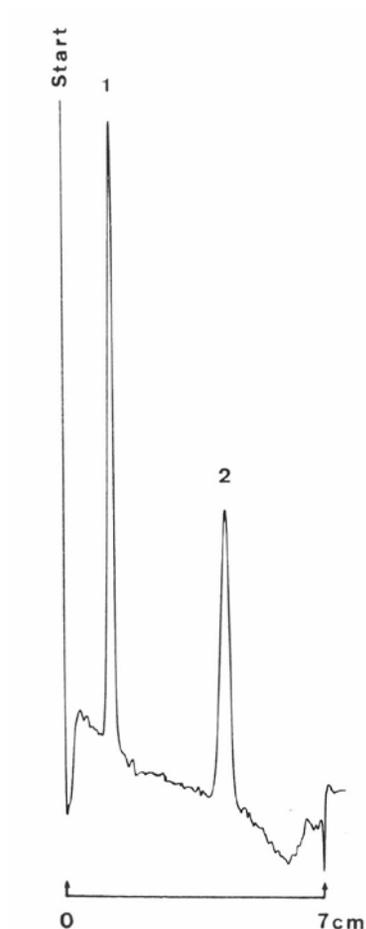
Separation of ingredients in circulatory stimulants

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Acetonitrile/water 50/50 (v/v) with addition of 0,1 mol/11-butanefulfonic acid
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Papaverine 0,25% 2. Phenobarbital 0,05% 3. Theophylline 0,25%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



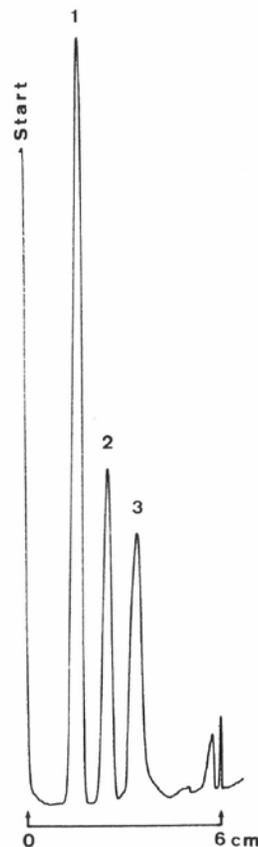
Separation of ingredients in gynaecologic agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Methanol/water 60/40 (v/v) with addition of 0,1 mol/l ammonium bromide
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ergocristine 0,0125% 2. Ergometrine 0,0075%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 313 nm



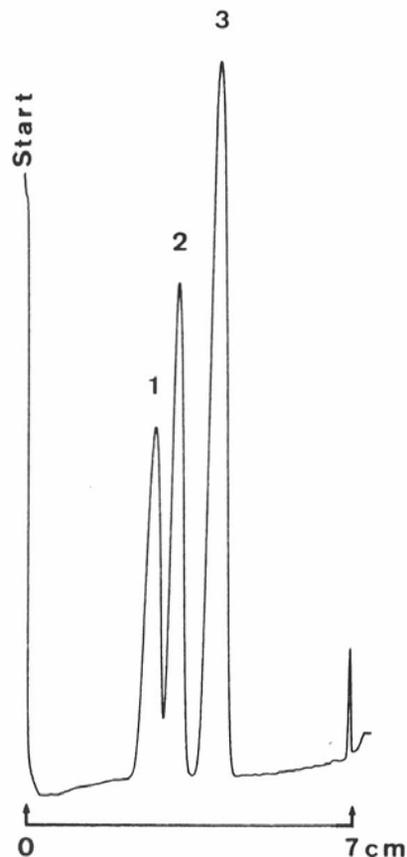
Separation of ingredients in antirheumatic agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Acetonitrile/water 40/60 (v/v)
Migration Distance	6 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Phenacetin 0,25% 2. Caffeine 0,20% 3. Acetylsalicylic acid 0,05%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm



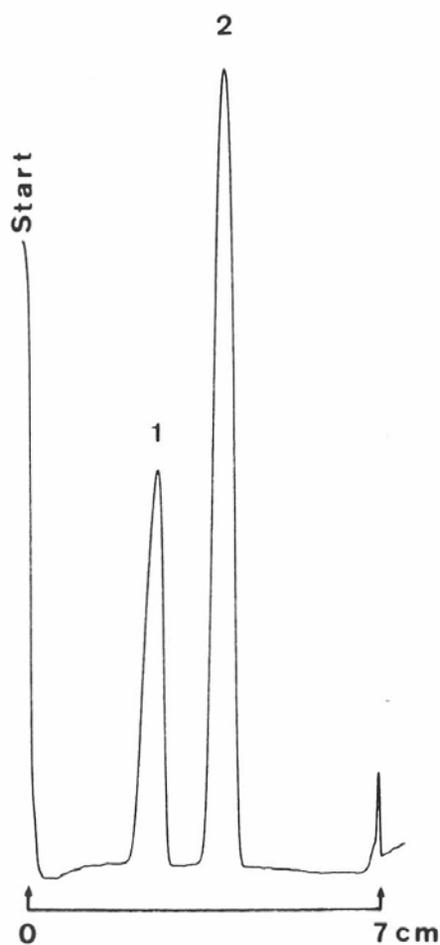
Separation of ingredients in antirheumatic agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Acetonitrile/water 40/60 (v/v) with addition of 0,1 mol/l ammonium bromide
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Acetylsalicylic acid 0,25% 2. Caffeine 0,05% 3. Paracetamol 0,20%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



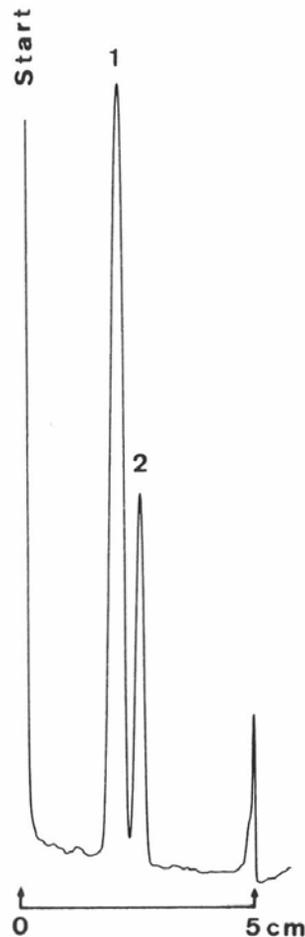
Separation of ingredients in analgesic agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Acetonitrile/water 40/60 (v/v) with addition of 0,1 mol/l ammonium bromide
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Acetylsalicylic acid 0,325% 2. Paracetamol 0,250%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



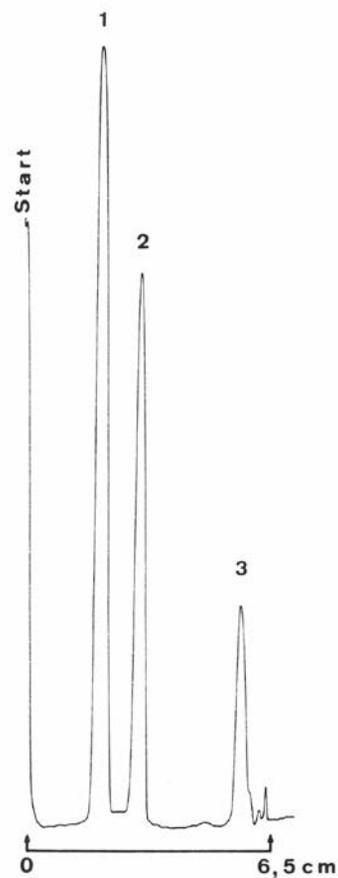
Separation of ingredients in anti-epileptic agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Acetonitrile/water 50/50 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Phenytoin 1,0% 2. Phenobarbital 0,15%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



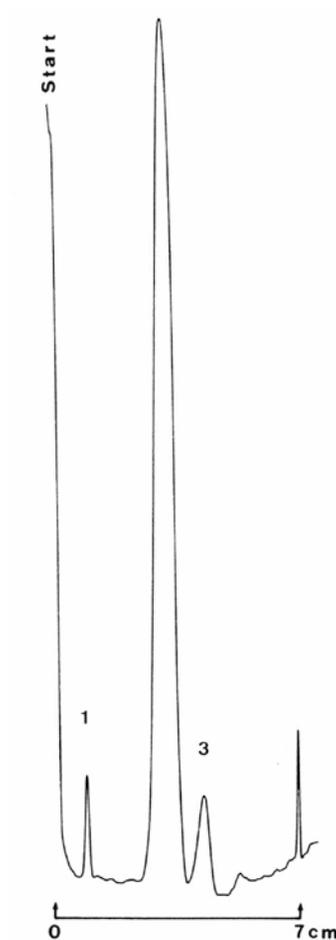
Separation of ingredients in anti-influenza agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Acetonitrile/water 50/50 (v/v) with addition of 0,1 mol/l ammonium bromide
Migration Distance	6,5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Propyphenazone 0,12% 2. Quinine hydrochloride 0,05% 3. Ascorbic acid 0,03%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm



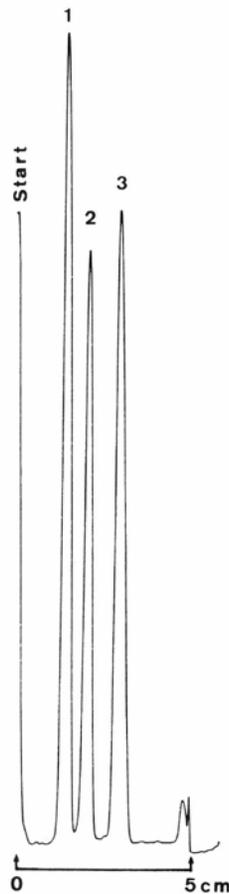
Separation of ingredients in broncholytic agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Acetonitrile/water 30/70 (v/v) with addition of 0,1 mol/l TEACl
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Red dye 2. Theophylline 3. Ephedrine hydrochloride
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



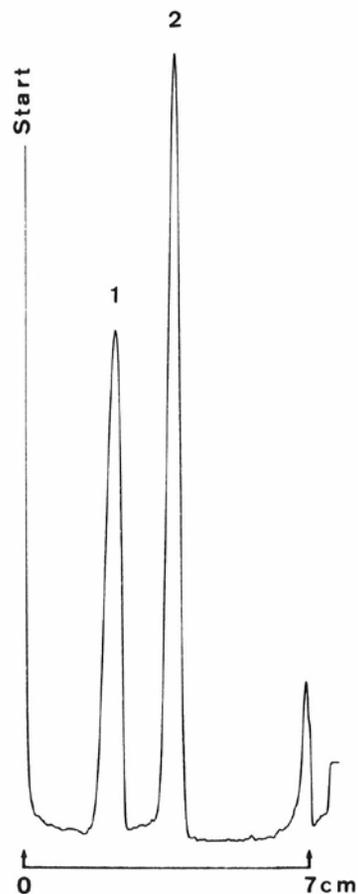
Separation of ingredients in analgesic agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Acetonitrile/water 50/50 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Propyphenazone 0,1% 2. Phenazone 0,04% 3. 4-Aminobenzoic acid 0,03%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



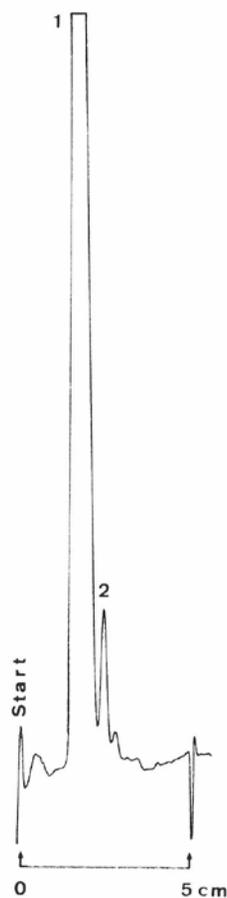
Separation of ingredients in anti-influenza agents

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Methanol/water 50/50 (v/v) with addition of 0,1 mol/l ammonium bromide
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Quinine hydrochloride 0,03% 2. Acetylsalicylic acid 0,25%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



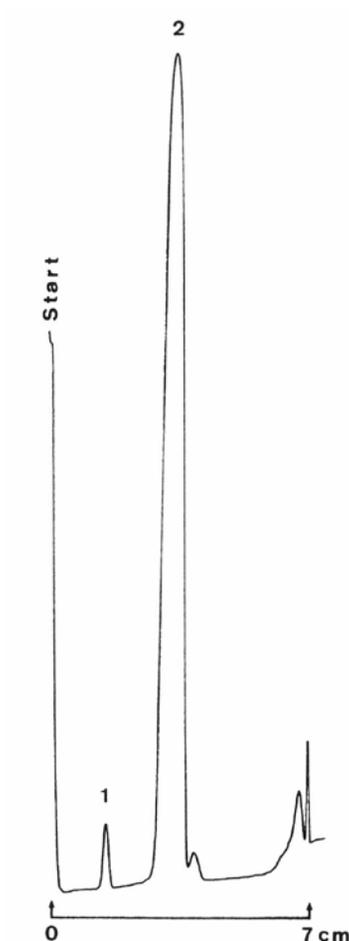
Separation of hormones (drugs for the climacteric period)

Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Acetonitrile/water 60/40 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Testosterone 1,6% 2. Estradiol 0,06%
Application volume	5 μ l
Detection	Dipped in $MnCl_2$ -sulfuric acid heating up to 110° C for 2 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm



Separation of ingredients in anti-migraine agents

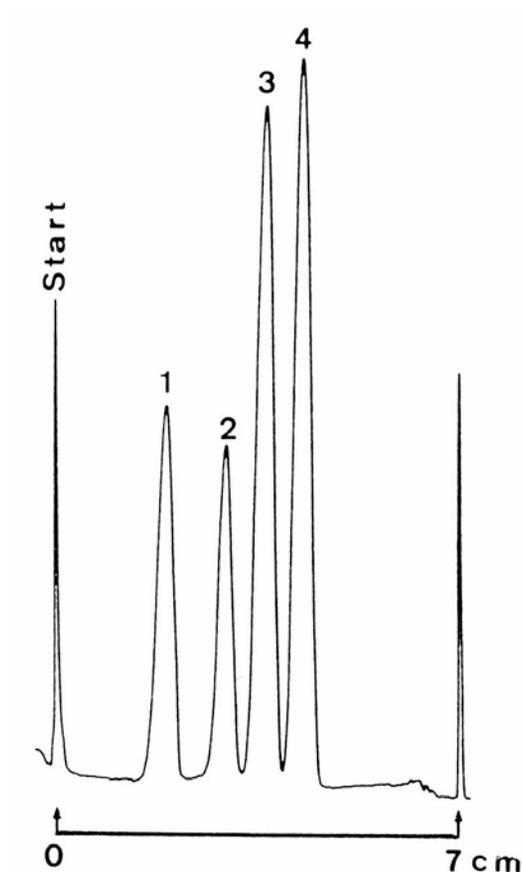
Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Methanol/water 60/40 (v/v) with addition of 0,1 mol/l ammonium bromide
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ergotamine tartrate 0,01% 2. Caffeine 1,0%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of Triazines

HPTLC NH₂F254s

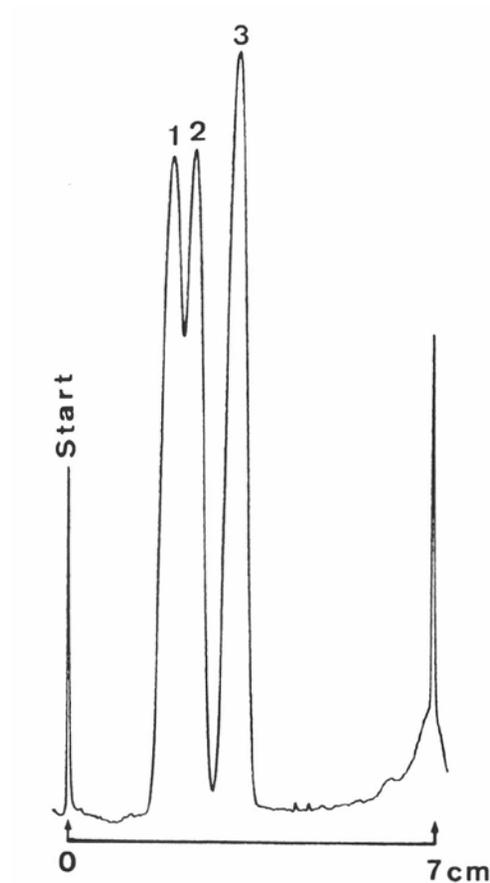
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	Chloroform/toluene 90/10 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Cyanazine 2. Simazin 3. Atrazin 4. Propazine (all 0,2%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 238 nm



Separation of Phenoxy-carboxylic acids

HPTLC DIOL F254s

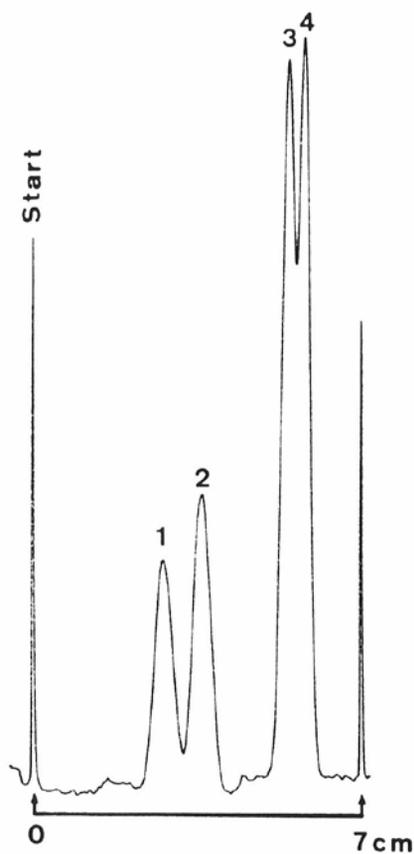
Plate	HPTLC pre-coated plate DIOL F254s (P/N: 1.05636, Alternative P/N: 1.12668)
Eluent	Petroleum benzine (40–60°)/acetone 85/15 (v/v)
Migration Distance	7 cm (2 x)
Chamber	Normal chamber without chamber saturation
Compounds	1. 2,4 - D 2. MCPA 3. Fenoprop (all 1%)
Application volume	750 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 220 nm



Separation of compounds of Aniline

HPTLC CN F254s

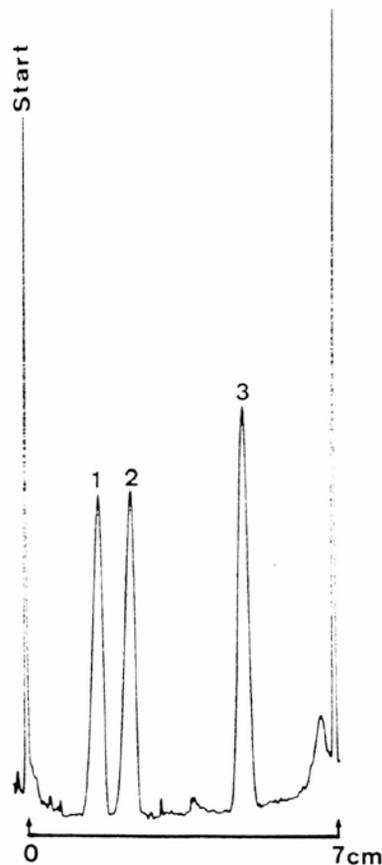
Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	n-hexane/toluene/acetone 70/25/5 (v/v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Metolachlor (1,0%) 2. Alachlor (2,0%) 3. Pendimethalin (0,2%) 4. Trifluralin (0,4%)
Application volume	100 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 238 nm



Separation of derivatives of Urea

HPTLC NH₂ F254s

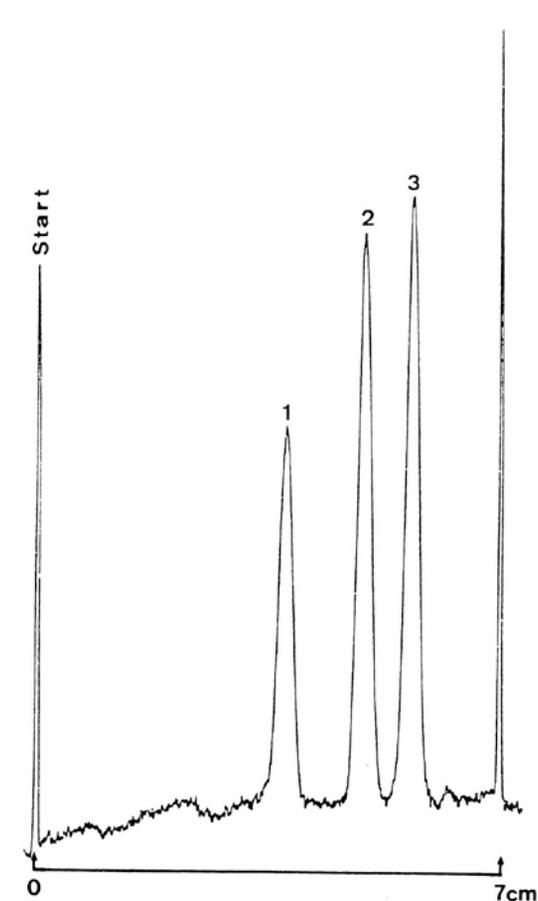
Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	Chloroform/toluene 80/20 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Methoxuron 2. Chlortoluron 3. Methobromuron (all 0,2%)
Application volume	150 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 238 nm



Separation of chlorinated Hydrocarbons

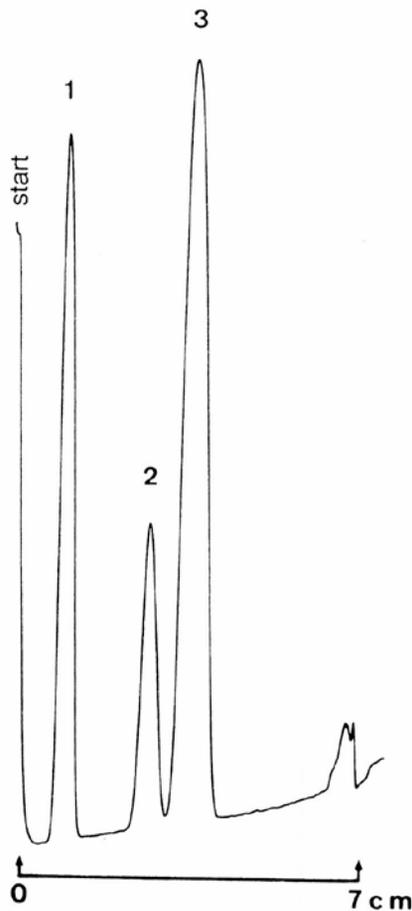
HPTLC DIOL F254s

Plate	HPTLC pre-coated plate DIOL F254s (P/N: 1.05636, Alternative P/N: 1.12668)
Eluent	Petroleum benzine (40-60°)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Dieldrin (2%) 2. p,p'-DDT (2%) 3. Aldrin (3%)
Application volume	500 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 220 nm



Separation of ingredients in analgesic agents

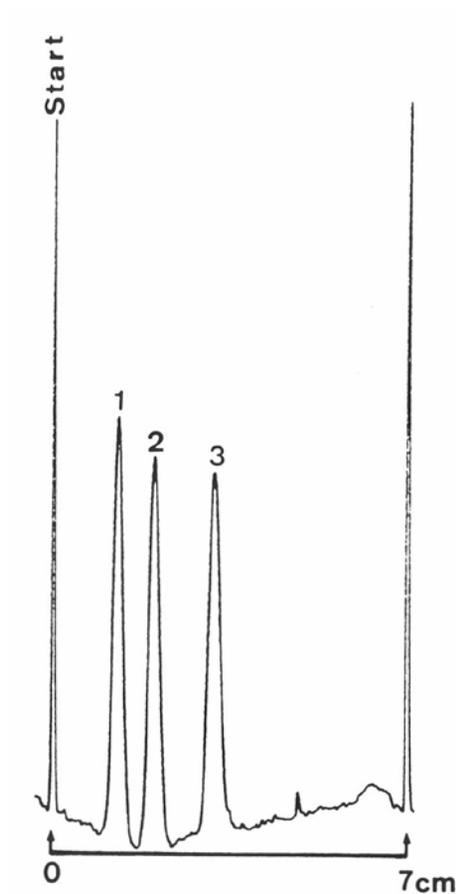
Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Acetonitrile/water 40/60 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Propyphenazon 0,15% 2. Caffeine 0,05% 3. Paracetamol 0,25%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm



Separation of derivatives of Urea

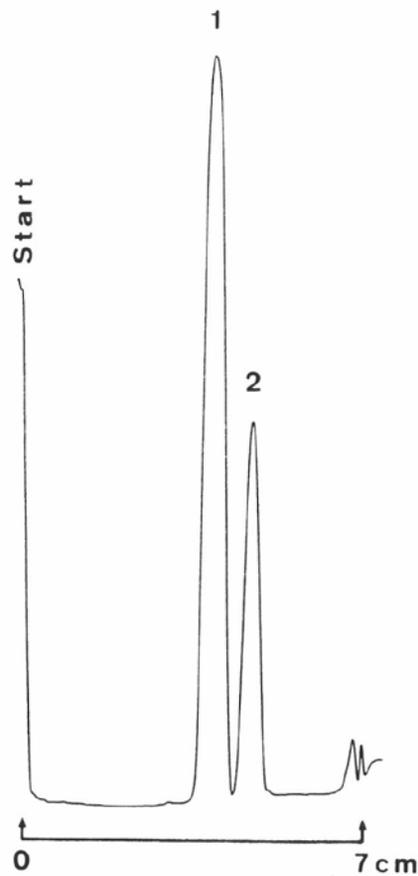
HPTLC DIOL F254s

Plate	HPTLC pre-coated plate DIOL F254s (P/N: 1.05636, Alternative P/N: 1.12668)
Eluent	Petroleum benzine (40-60°)/acetone 80/20 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Methoxuron 2. Monuron 3. Methobromuron (all 0,2%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 238 nm



Separation of sulfonamides

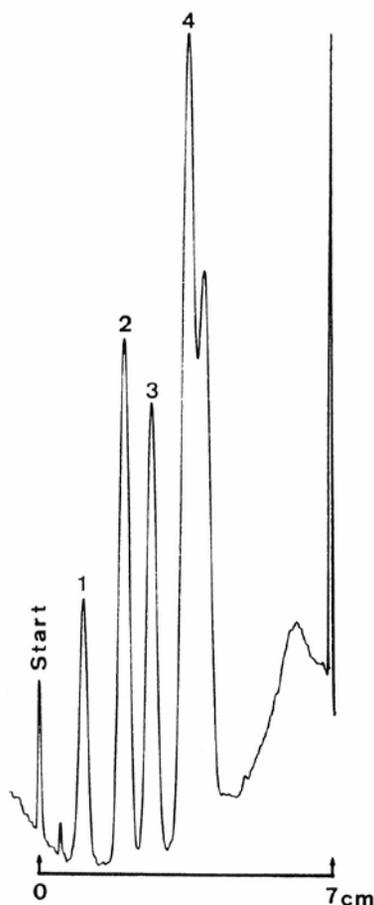
Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1.13124)
Eluent	Methanol/water 50/50 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Sulfamethoxazol 0,4% 2. Trimethoprim 0,08%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of herbicides/fungicides

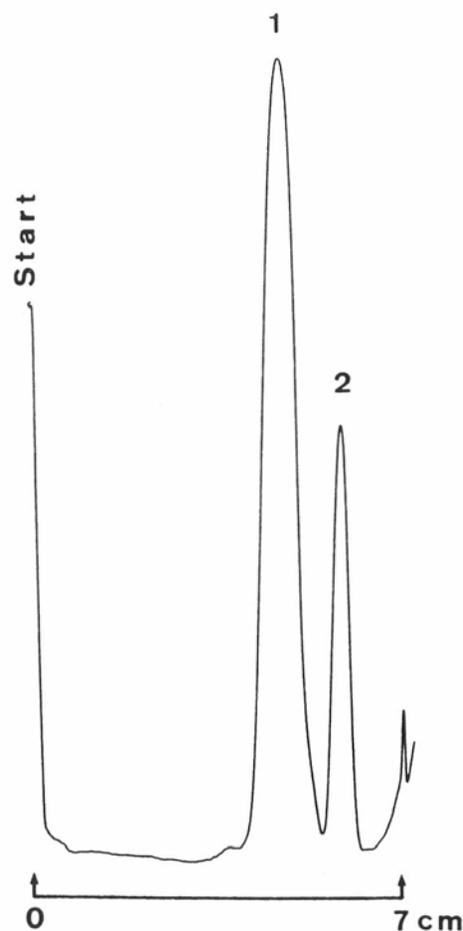
HPTLC CN F254s

Plate	HPTLC pre-coated plate CN F 254s (1.16464)
Eluent	n-hexane/toluene/acetone 70/26/4 (v/v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Clopyralid (0,5%) 2. Metazachlor (1,0%) 3. Vinclozolin (0,4%) 4. Dinoseb-(acetate) (0,2%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 238 nm



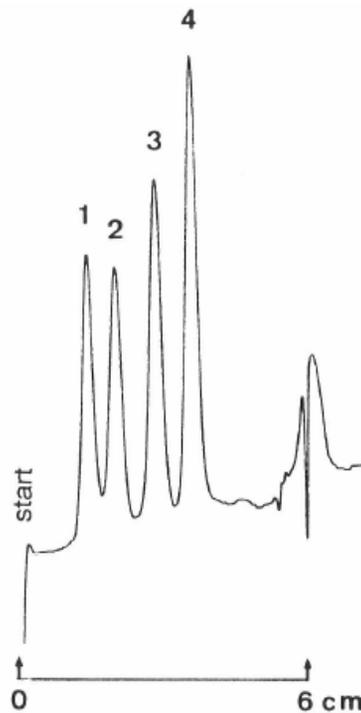
Separation of sulfonamides

Plate	HPTLC pre-coated plate RP-18WF 254s with concentrating zone (1.13124)
Eluent	Acetone/water 50/50 (v/v) with addition of 0,1 mol/l TEACl
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Sulfadiazine 0,41% 2. Trimethoprim 0,09%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of estradiol and some of its esters

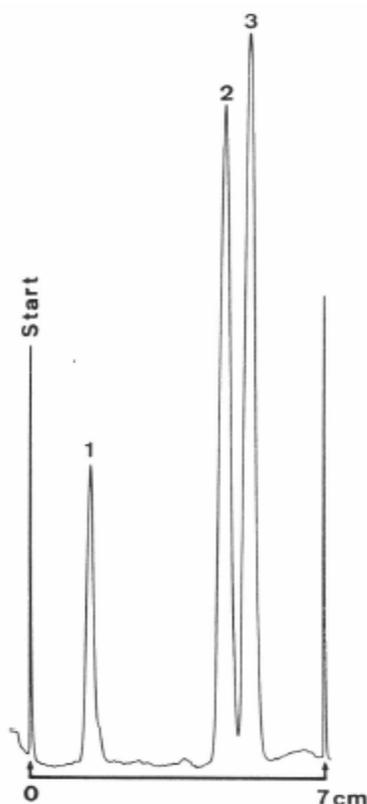
Plate	HPTLC pre-coated plate RP-18 WF 254s with concentrating zone (1. 13124)
Eluent	Acetonitrile/water 75/25 (v/v)
Migration distance	6 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Estradiol 17 β -cypionate 2. Estradiol 17 β -valerate 3. Estradiol 17 β -acetate 4. Estradiol (all 0,0125%)
Application volume	5 μ l
Detection	Dipped in MnCl ₂ -sulfuric acid heating up to 110°C for 10 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm.



Separation of phosphoric acid esters

HPTLC NH₂ F254s

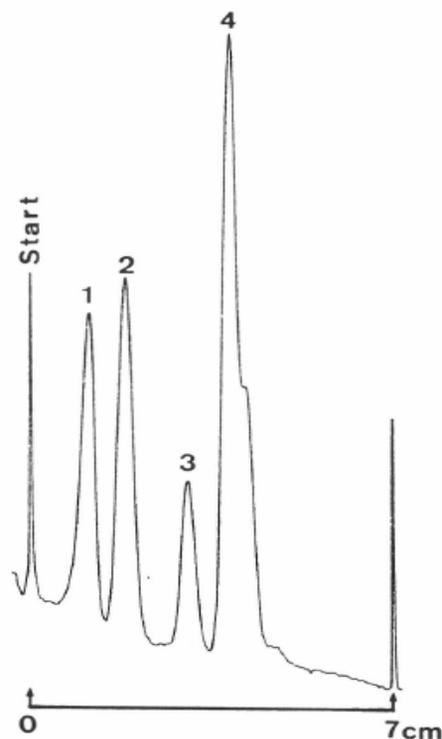
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, Alt. P/N 1. 15647)
Eluent	Toluene/n-hexane 80/20 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Chlorfenvinphos 2. Parathion-methyl 3. Parathion-ethyl (all 0,2%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of herbicides/fungicides

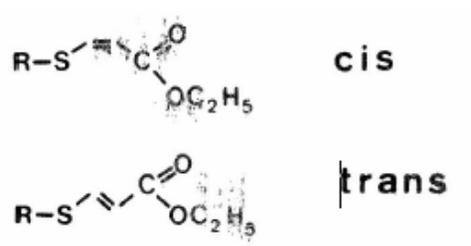
HPTLC CN F254s

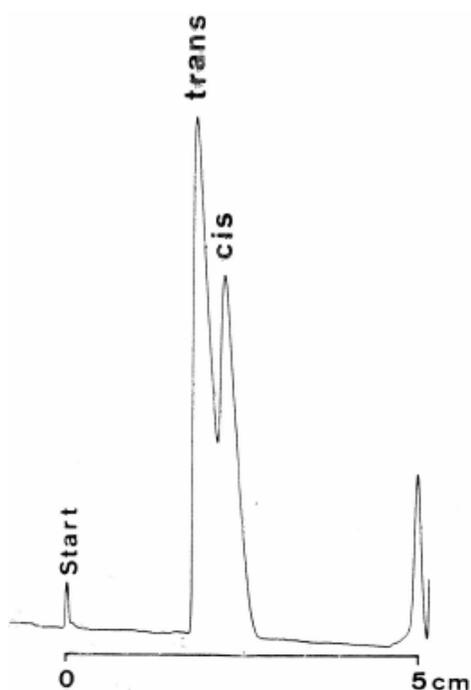
Plate	HPTLC pre-coated plate CN F254s (1. 13192)
Eluent	Petroleum benzene (40-60°)/acetone 85/15 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Clopyralid 0,5% 2. Metazachlor 1,0% 3. Vinclozolin 0,4% 4. Dinoseb-(acetate) 0,2%
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 238 nm



Separation of a mixture of cis-trans isomeres

HPTLC NH₂ F254s

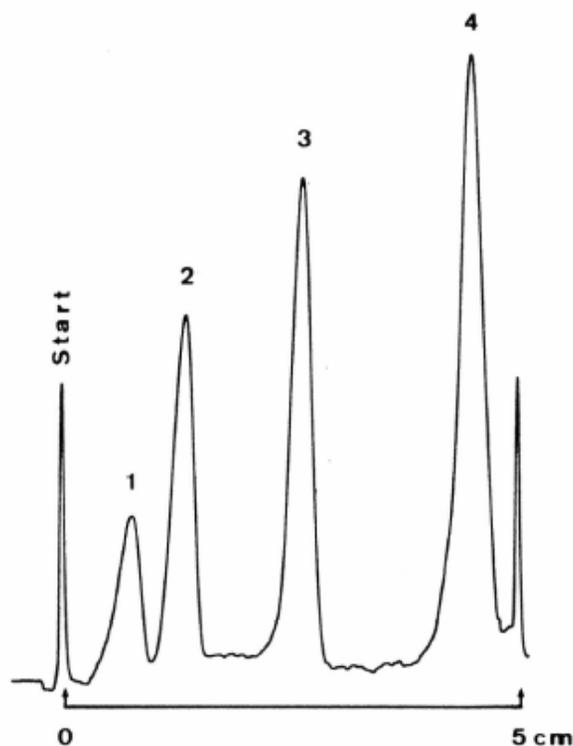
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Chloroform/methanol 60/40 (v/v) 80% saturated with water
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	 <p>cis</p> <p>trans</p>
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of cytosine, cytidine and its phosphates

HPTLC NH₂ F254s

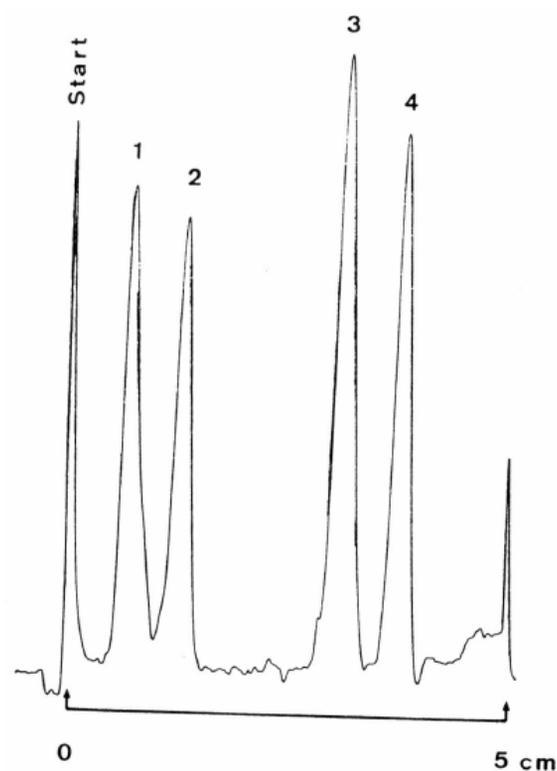
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Aceton/water 30/70 (v/v) with addition of 0,2 mol/l NaCl
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. CTP 2. CDP 3. CMP 4. Cytosine, cytidine (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some dinucleoside polyphosphates

HPTLC NH₂ F254s

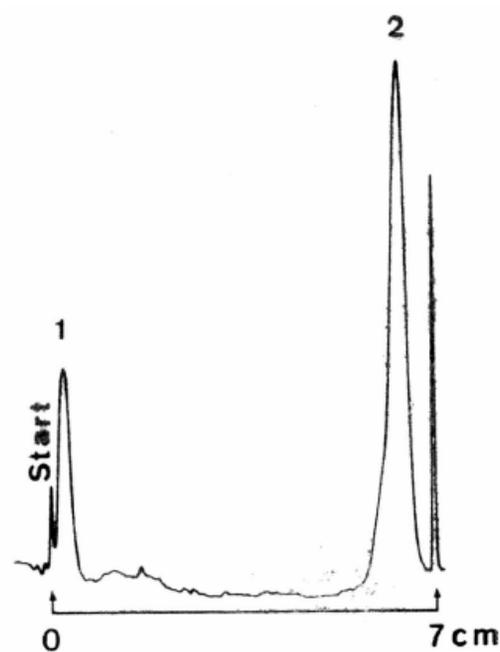
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Ethanol/water 30/70 (v/v) with addition of 0,2 mol/l NaCl
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. NADPH 2. NADP 3. NADH 4. NAD (all 0,1%)
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of gramicidin and tyrocidine

HPTLC NH₂ F254s

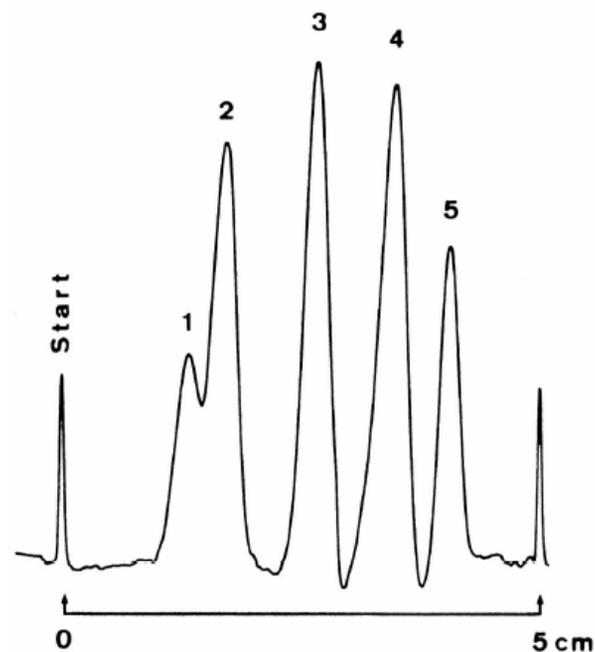
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Chloroform/methanol 80/20 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Tyrocidine 2. Gramididin (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



Separation of guanine, guanosine and its phosphates

HPTLC NH₂ F254s

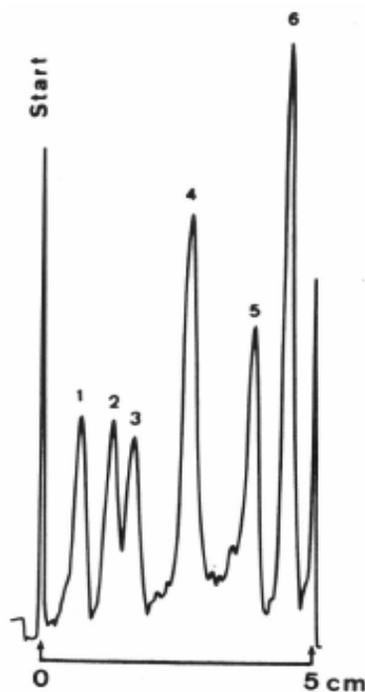
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Methanol/water 5/95 (v/v) with addition of 0,2 mol/l NaCl
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. GTP 2. GDP 3. GMP 4. Guanine 5. Guanosine (all 0,1%)
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some nucleotides

HPTLC NH₂ F254s

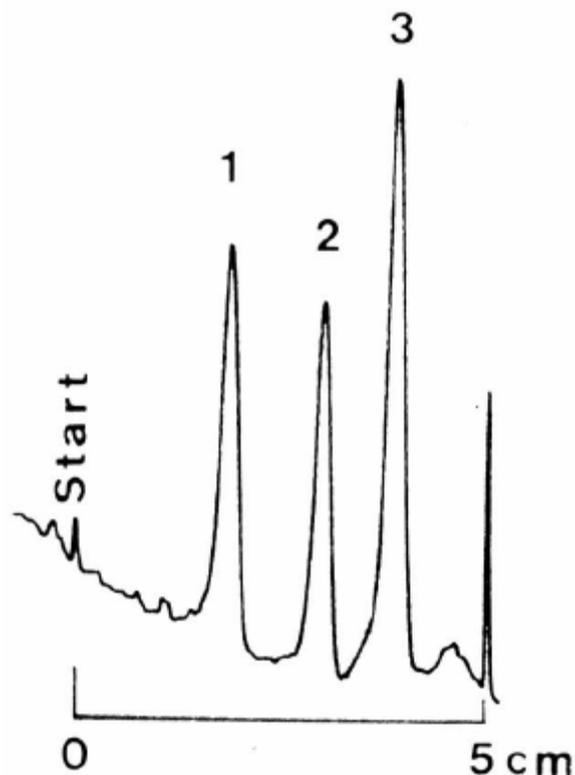
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Ethanol/water 70/30 (v/v) with addition of 0,2 mol/l NaCl
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. ATP 2. ADP 3. NADP 4. AMP 5. NAD 5. cAMP (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some nucleotide units

HPTLC NH₂ F254s

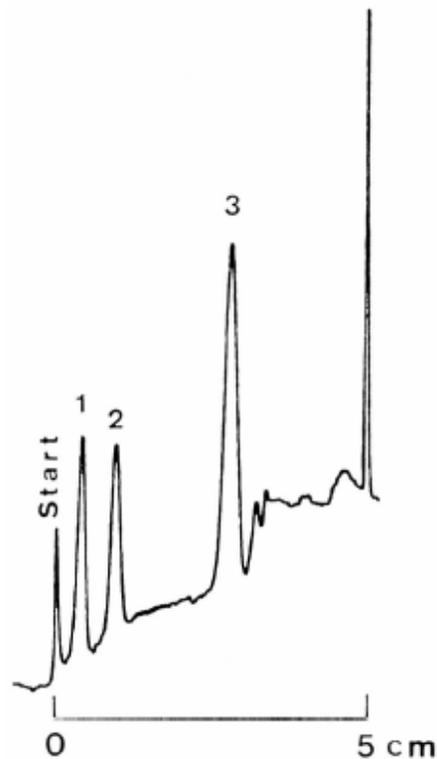
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Methanol/water 90/10 (v/v) with addition of 0,2 mol/l lithium chloride
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. ApApA 2. ApA 3. Adensoine (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of nucleotide units

HPTLC NH₂ F254s

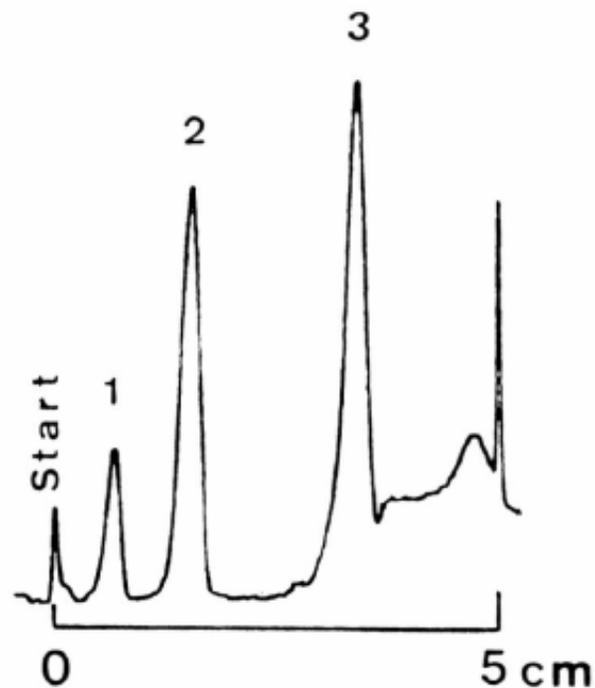
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Methanol/water 50/50 (v/v) with addition of 0,2 mol/l lithium chloride
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. ATP 2. ADP 3. A ₂ 'p5'A ₂ 'p5'A ₂ 'p5'A (all 0,1%)
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of nucleotide units

HPTLC NH₂ F254s

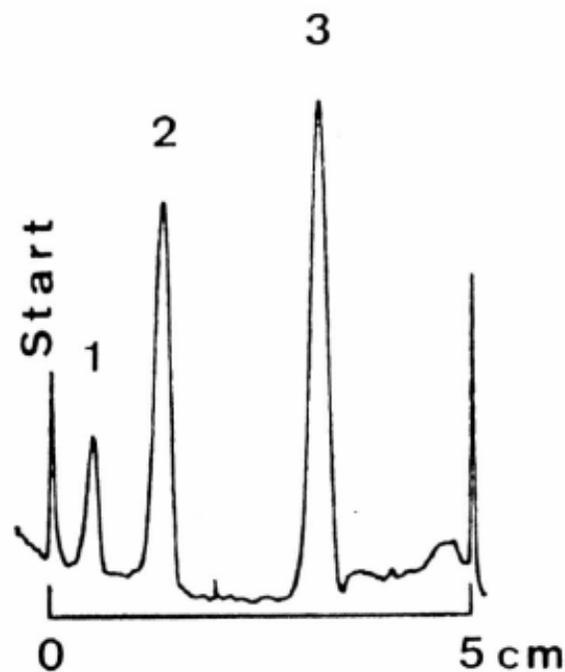
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Methanol/water 60/40 (v/v) with addition of 0,2 mol/l lithium chloride
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. ADP 2. AMP 3. A2'p5'A2'p5'A (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of nucleotide units

HPTLC NH₂ F254s

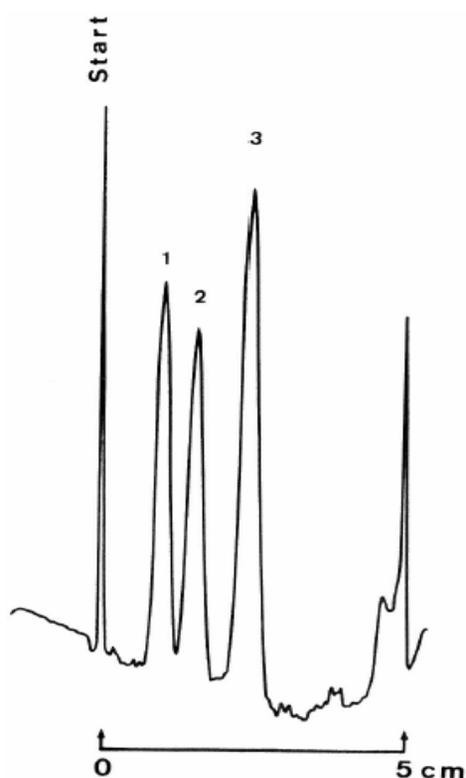
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Methanol/water 60/40 (v/v) with addition of 0,2 mol/l lithium chloride
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. ADP 2. AMP 3. ApApA (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some nucleosidemonophosphates

HPTLC NH₂ F254s

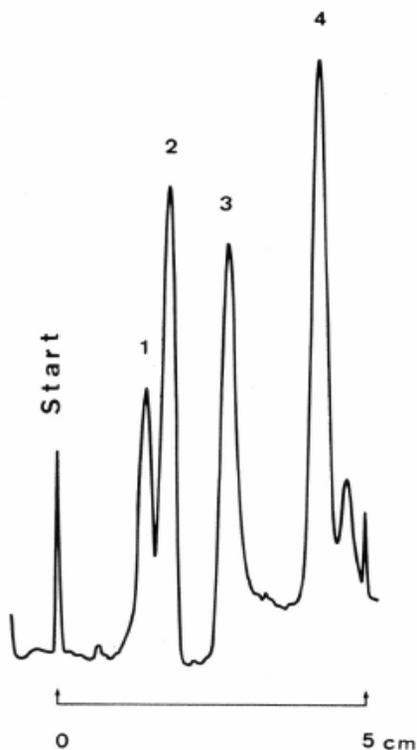
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Ethanol/water 30/70 (v/v) with addition of 0,18 mol/l NaCl
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. GMP 2. UMP 3. AMP (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some naphthalene sulfonic acids

HPTLC NH₂ F254s

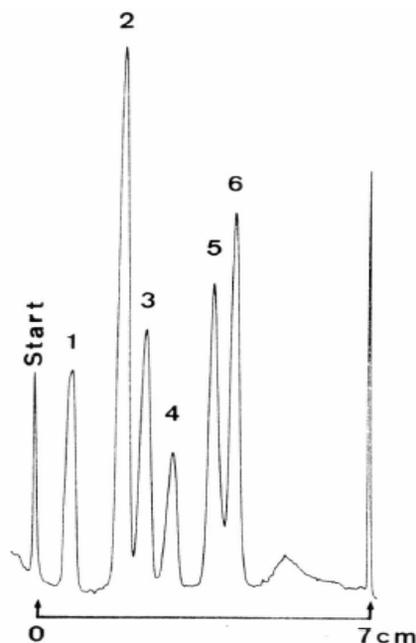
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Ethanol/ammonia pH 12 60/40 (v/v) with addition of 0,18 mol/l NaCl
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Naphthalene-1,3,7-trisulfonic acid 2. Naphthalene-1,3,6-trisulfonic acid 3. Naphthalene-1,5-disulfonic acid 4. Naphthalene-1-sulfonic acid (all 0,5%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of ergot alkaloids

HPTLC NH₂ F254s

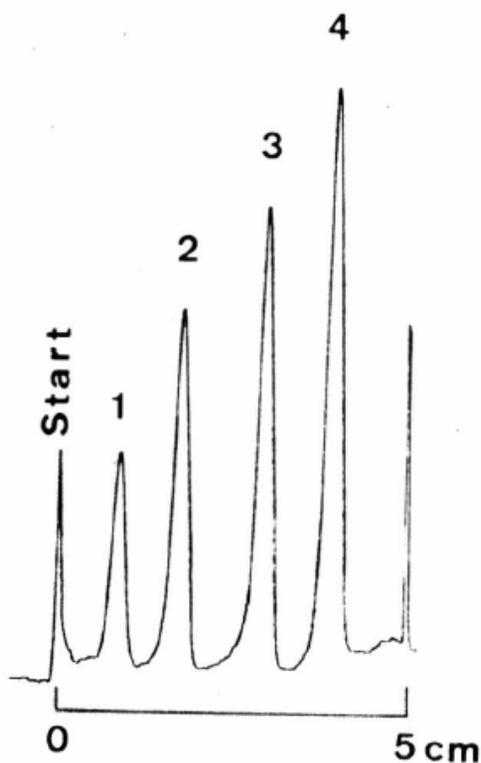
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Chloroform/methanol 100/4 (v/v)
Migration distance	7 cm
Chamber	Normal chamber with chamber saturation
Compounds	1. Ergometrine Maleate 2. Ergometrinine 3. Ergotamine Tartrate 4. Dihydroergotoxin methanesulfonate 5. Ergochristine 6. Ergochrintinine (all 0,2%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 248 nm



Separation of oligo adenylic acids

HPTLC NH₂ F254s

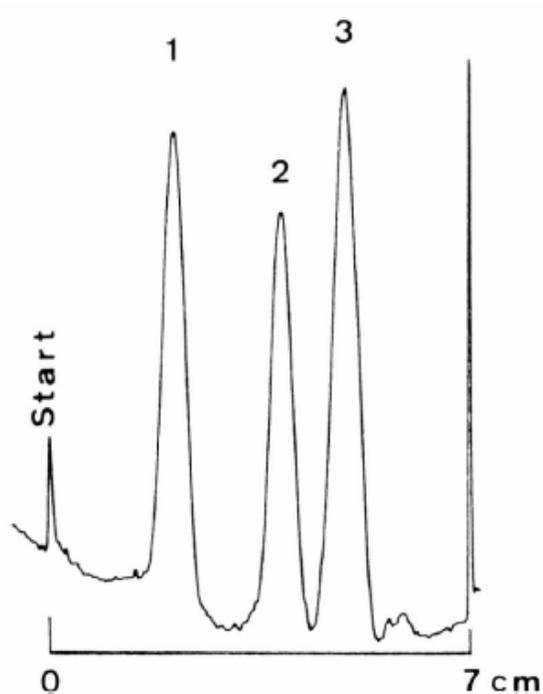
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Methanol/water 90/10 (v/v) with addition of 0,2 mol/l lithium chloride
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. A2'p5'A2'p5'A2'p5'A 2. A2'p5'A2'p5'A 3. A2'p5'A 4. Adenosine (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of oligo nucleotides

HPTLC NH₂ F254s

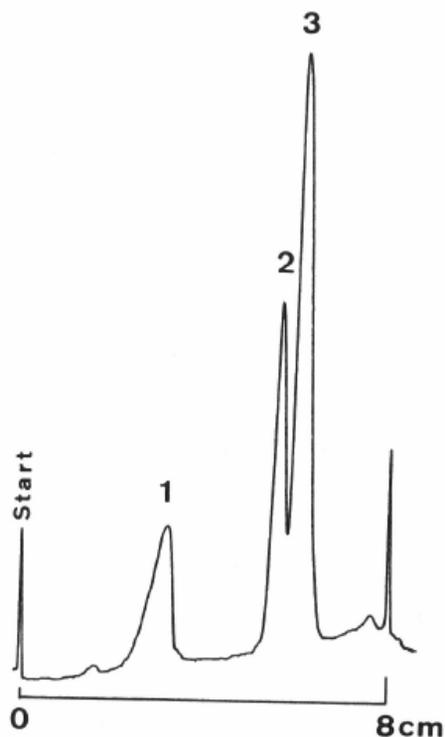
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Ethanol/water 10/90 (v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. ApUpG 2. ApApU 3. ApApC (all 0,1%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of protected tetra-peptides

HPTLC NH₂ F254s

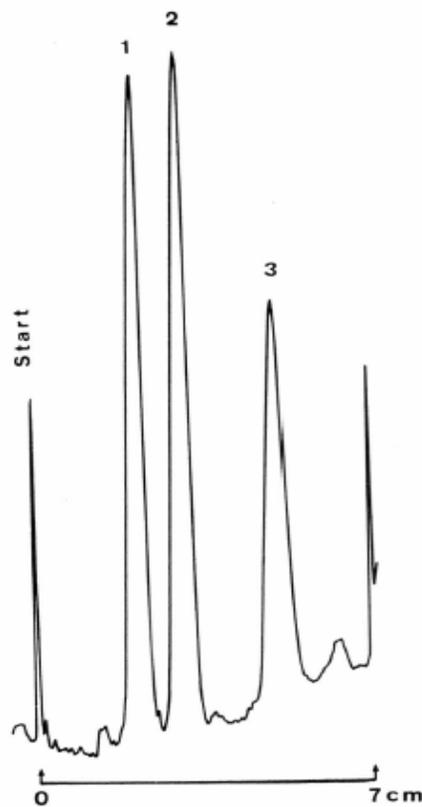
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Toluene/acetone/methanol 50/40/10 (v/v/v) with addition of 0,1 mol/l lithium chloride
Migration distance	8 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. BOC-Phe-His-Sta-Leu-PIB 2. Poa-Nitrophe-Sta-Leu-Phe-benzylester 3. Poa-Phe-Sta-Ileu-Phe-Benzylester
Detection	Spray reagent: 5% perchloric acid in methanol heating up to 120°C for 15 min.



Separation of some methylated phenols

HPTLC NH₂ F254s

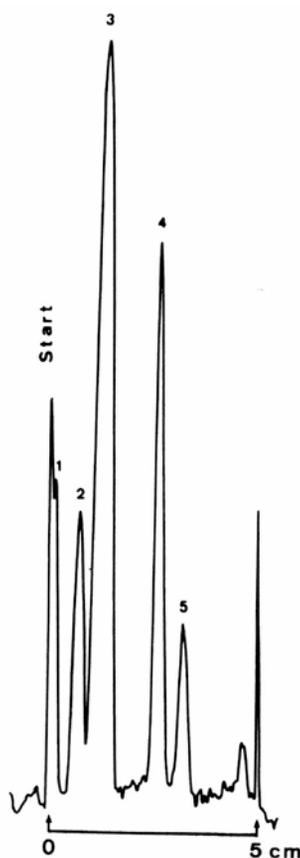
Plate	HPTLC pre-coated plate NH ₂ F254s (P/N 1. 13192, alt P/N 1. 15647)
Eluent	Chloroform/methanol 95/5 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. p-Cresol 2. 2,3-Dimethylphenol 3. 2,4,6-Trimethylphenol (all 0,2%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some polyvalent phenols

HPTLC NH₂F 254s

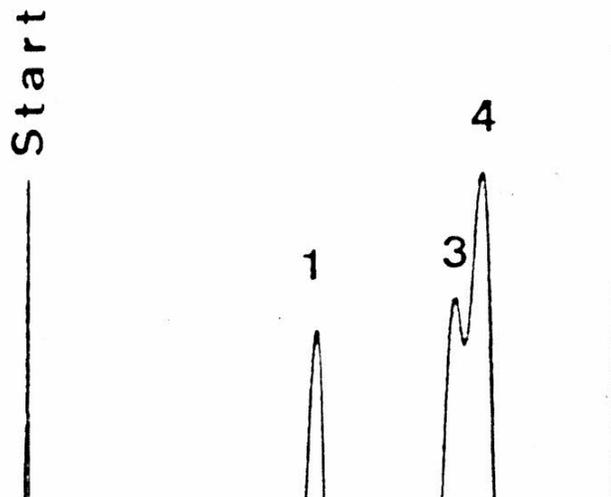
Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	Acetone/chloroform 50/50 (v/v)
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Phloroglucinol 2. Resorcinol 3. Hydroquinone 4. 1-Naphthol 5. m-Cresol (all 0,2%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some polyvalent phenols

HPTLC NH₂ F254s

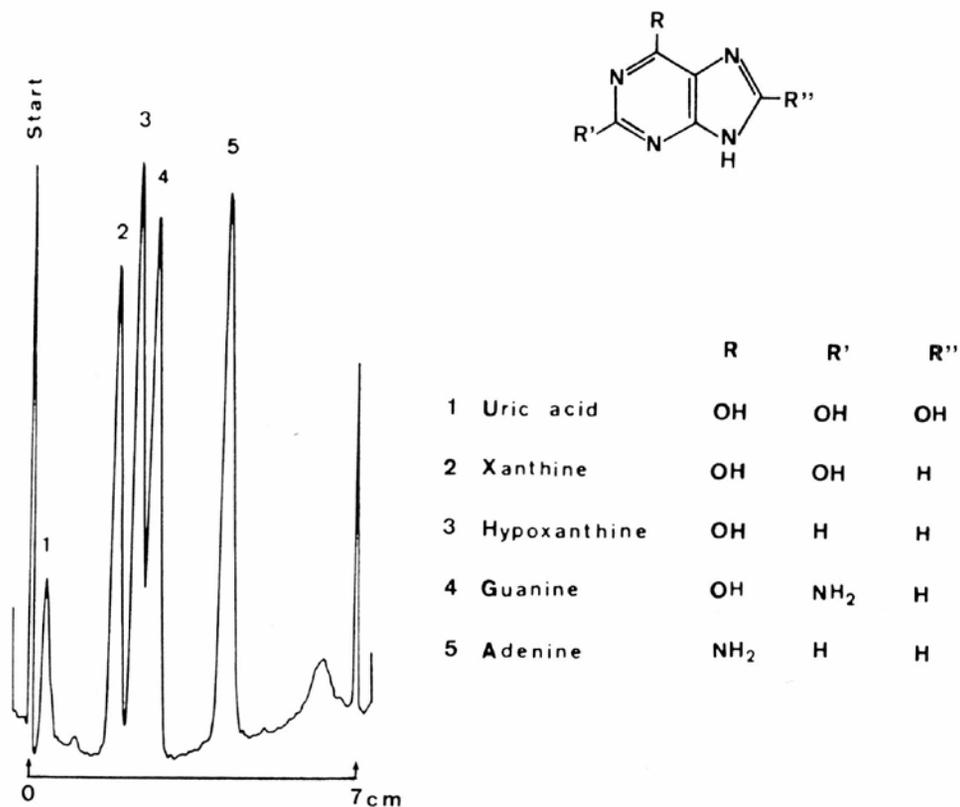
Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	Chloroform/methanol 50/50 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Resorcinol 2. Hydroquinone 3. l-Naphthol 4. m-Cresol
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some derivatives of purine

HPTLC NH₂ F254s

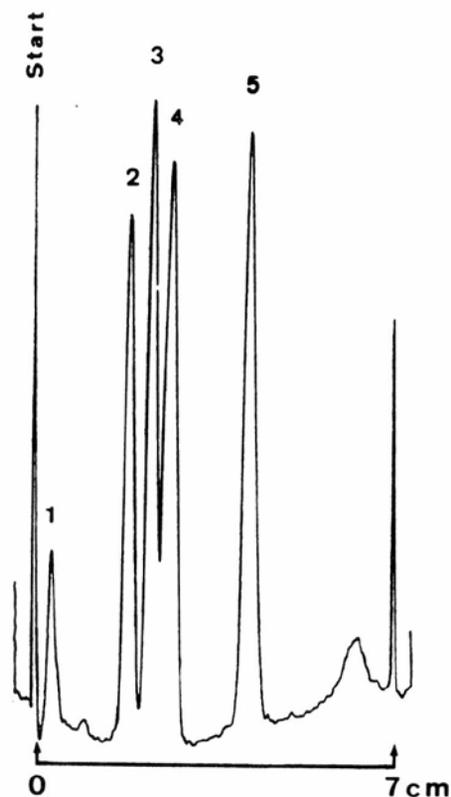
Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	Ethanol/water 80/20 (v/v) saturated with NaCl
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Uric acid 2. Xanthine 3. Hypoxanthine 4. Guanine 5. Adenine (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



Separation of some purine derivatives

HPTLC NH₂ F254s

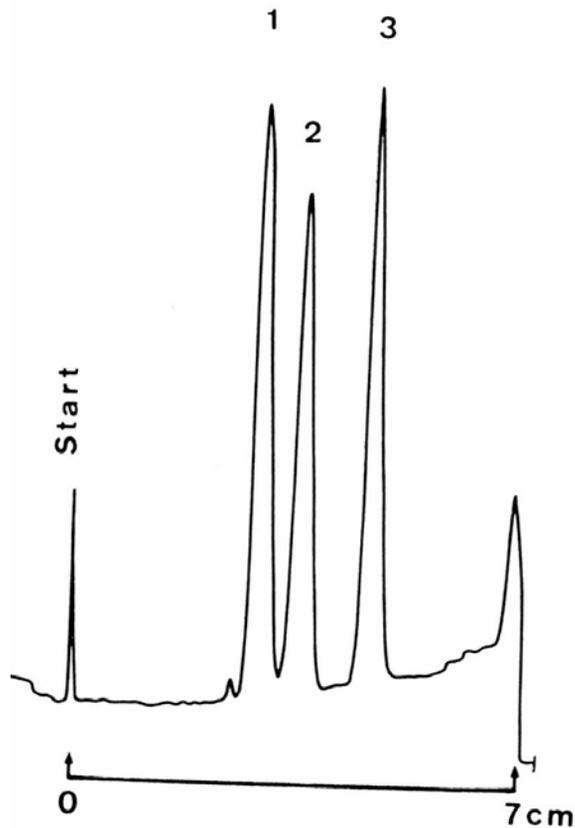
Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	Ethanol/water 80/20 (v/v) saturated with NaCl
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Uric acid 2. Xanthine 3. Hypoxanthine 4. Guanine 5. Adenine (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



Separation of some pyrimidine bases

HPTLC NH₂ F254s

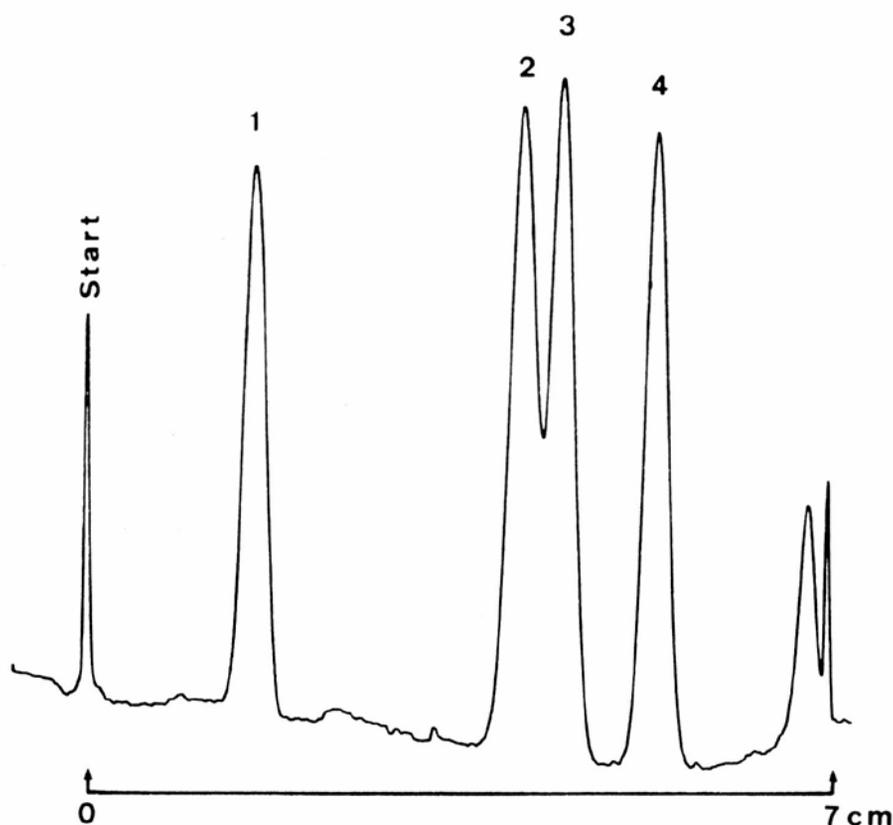
Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	Chloroform/methanol 60/40 (v/v) 80% saturated with water
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Uracil 2. Cytosine 3. Thymine (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of some pyrimidine derivatives

HPTLC NH₂ F254s

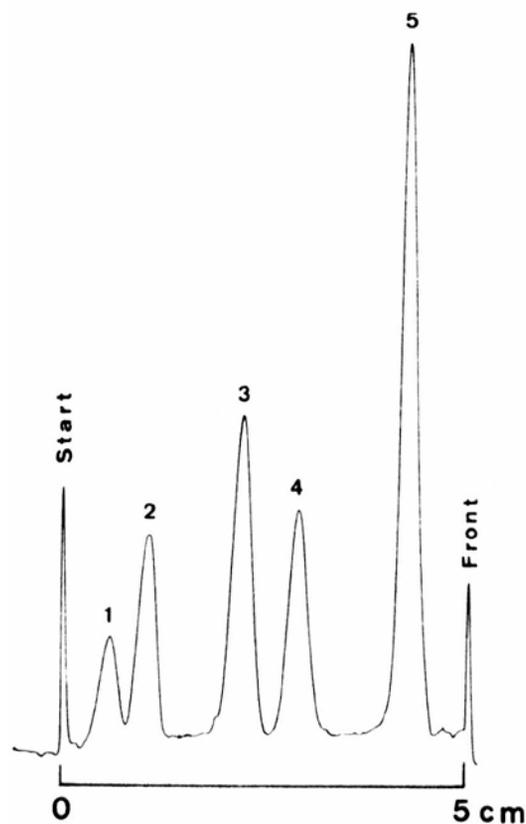
Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	Chloroform/methanol 50/50 (v/v) 80% saturated with water
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 2-Thiouracil 2. Uracil 3. Cytosine 4. Thymine (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of uridine and its phosphates

HPTLC NH₂ F254s

Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	Acetone/water 30/70 (v/v) with addition of 0,2 mol/l NaCl
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. UTP 2. UOP 3. UMP 4. UOP-Glucose 5. Uridine
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm

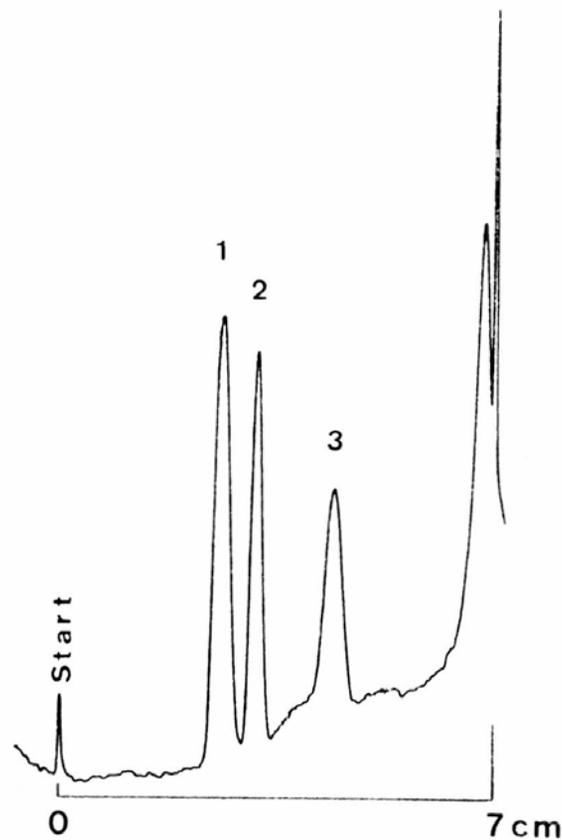




Separation of vitamine

HPTLC NH₂ F254s

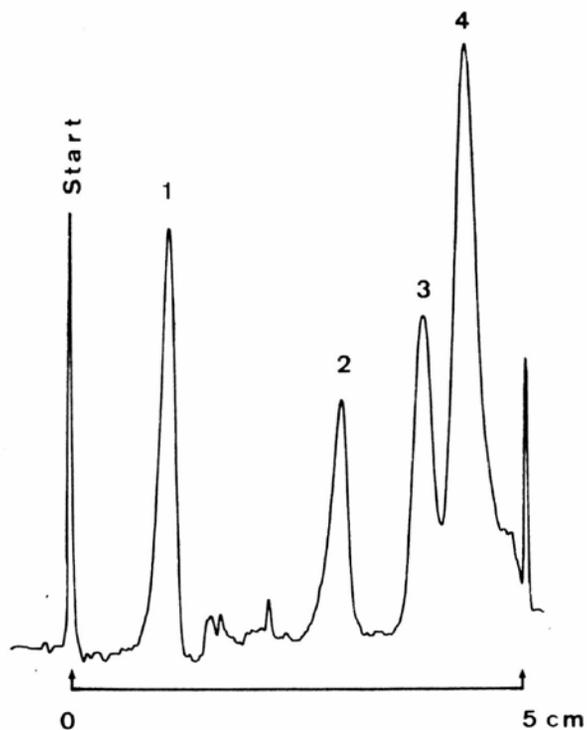
Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	Acetonitrile/water 70/30 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Vitamin B6 2. Vitamin B12 3. Vitamin B1
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 280 nm



Separation of xanthine and its N-methyl derivatives

HPTLC NH₂ F254s

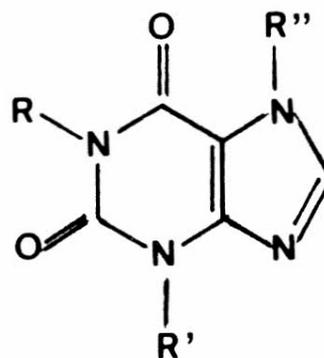
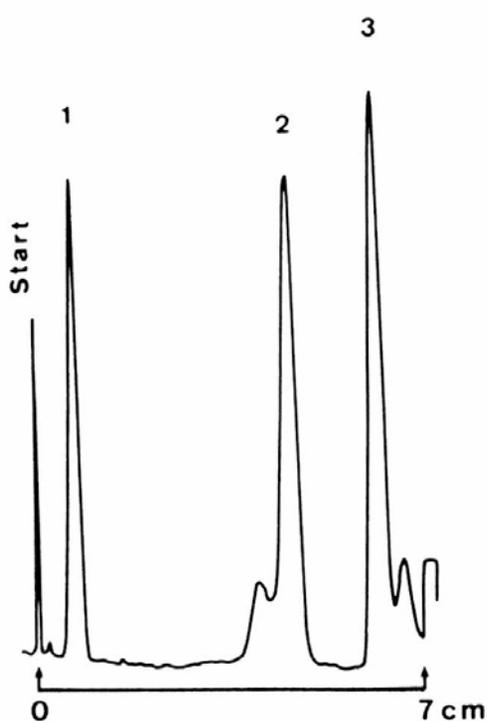
Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	Methanol
Migration Distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Xanthine 0,03% 2. Theophylline 0,03% 3. Theobromine 0,06% 4. Caffeine 0,02%
Application volume	100 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of the N-methyl derivatives of xanthine

HPTLC NH₂ F254s

Plate	HPTLC pre-coated plate NH ₂ F 254s (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	Methanol/acetonitrile/chloroform 10/80/10 (v/v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Theophylline 0,03% 2. Theobromine 0,06% 3. Caffeine 0,02%
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm

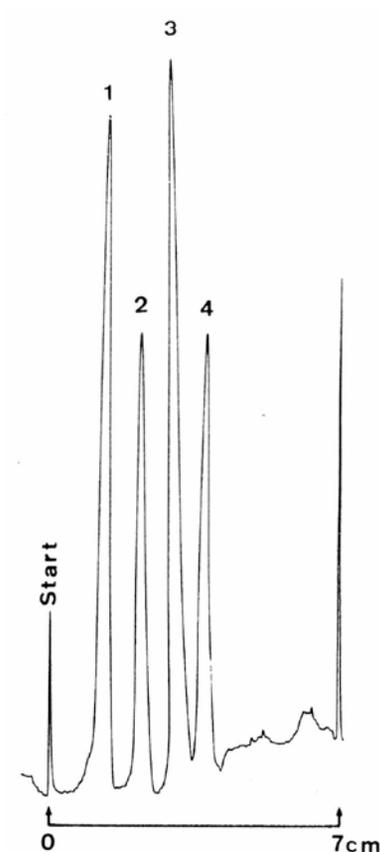


R	R'	R''
CH ₃	CH ₃	H
H	CH ₃	CH ₃
CH ₃	CH ₃	CH ₃

Separation of oligo nucleotides

HPTLC NH2 F254s

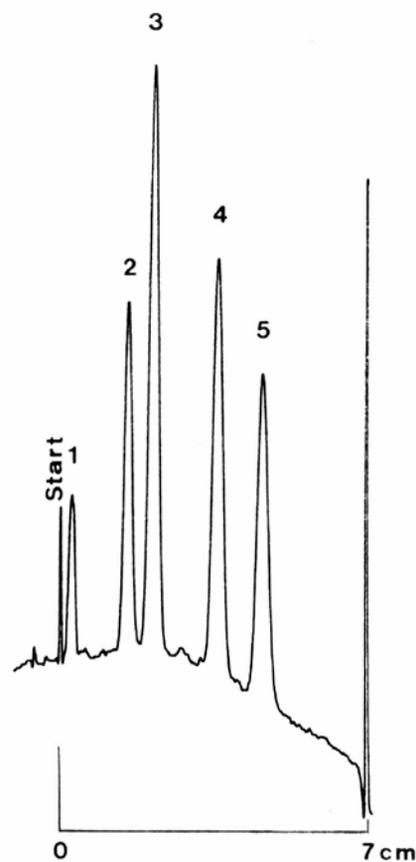
Plate	HPTLC pre-coated plate NH2 F 254s (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	Ethanol/water 60/40 (v/v) with addition of 0,2 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. ApUpG 2. ApApU 3. ApApC 4. ApApA (all 0,1%)
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of amino acids

HPTLC Cellulose

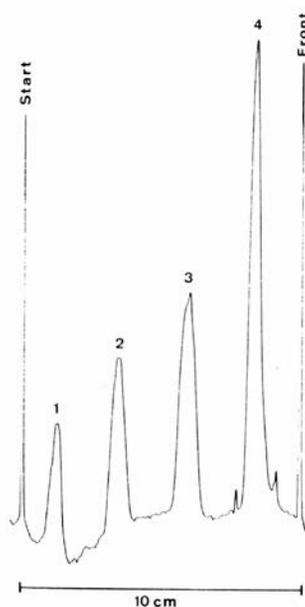
Plate	HPTLC pre-coated plate cellulose without fluorescent indicator (P/N: 1.05651, Alternative P/N: 1.16092)
Eluent	l-propanol/water 80/20 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Arginine 2. β -Alanine 3. α -Alanine 4. DL-Valine 5. L-Leucine
Detection	Spray reagent: ninhydrin heating up to 110°C for 5 min



Separation of phosphates

TLC Cellulose

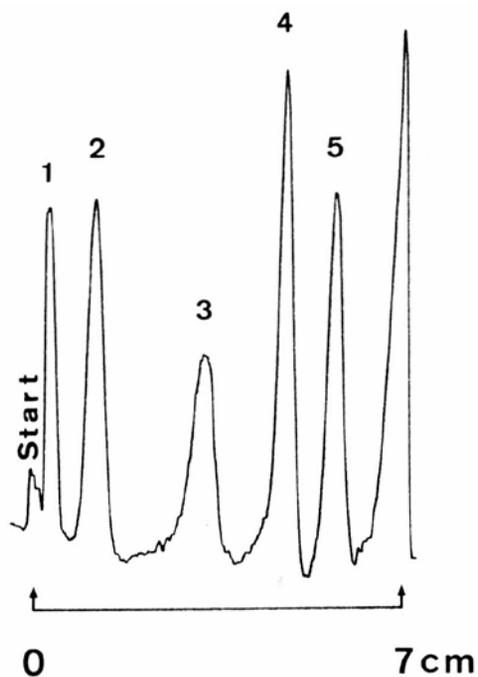
Plate	TLC pre-coated plate cellulose (P/N: 1.05716, Alternative P/N: 1.05730)
Eluent	Dioxane / solution of 160g trichloroacetic acid, 8ml ammonia 25% per 1l in water 70/30 (v/v)
Migration Distance	10 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. $(\text{NaPO}_3)_3$ (1 %) 2. $\text{Na}_5\text{P}_3\text{O}_{10}$ (1 %) 3. $\text{Na}_4\text{P}_2\text{O}_7$ (1 %) 4. Na_2HPO_4 (0,2%)
Application volume	500 nl
Detection	Spray reagents (2xa) and then (1xb) a) $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$ 18g NH_4NO_3 22,5g in 460ml water plus 40ml conc. HN03 b) $\text{Na}_2\text{S}_2\text{O}_5$ 150g Na_2SO_3 5g p-methylaminophenol 1g in 500ml water



Separation of uridine and its phosphates

TLC PEI-Cellulose F

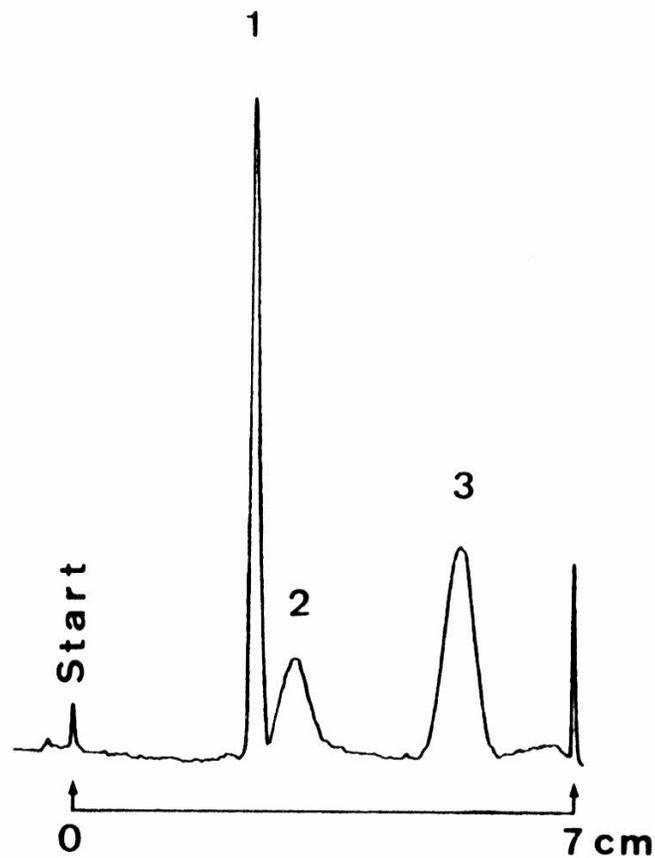
Plate	TLC pre-coated plate PEI-Cellulose F (P/N: 1.05725, Alternative P/N: 1.05579)
Eluent	Acetic acid 1N/ethanol 80/20 (v/v) with addition of 0,5 mol/l lithium chloride
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. UTP 2. UDP 3. UDP-Glucose 4. UMP 5. Uridine (all 0,1%)
Application volume	400 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag)UV 270 nm



Separation of vitamine

TLC aluminium oxide 150 F254

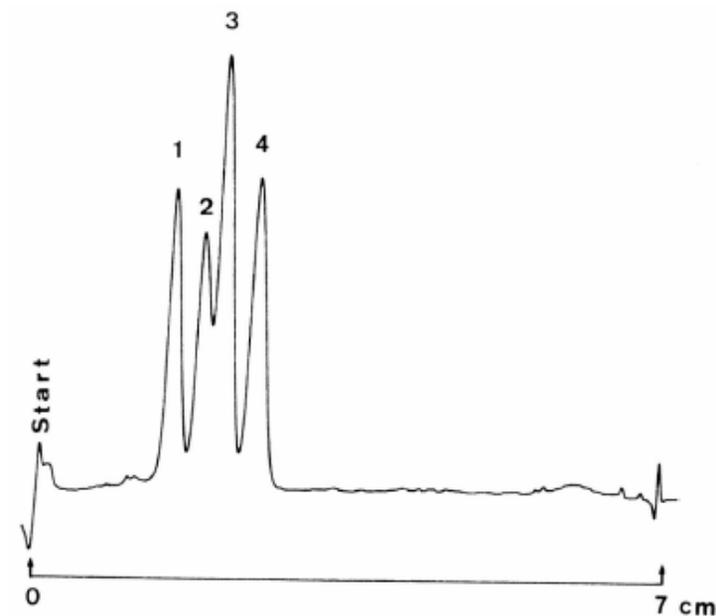
Plate	TLC pre-coated plate aluminium oxide 150 F 254 (type T) (1.05551)
Eluent	Chloroform/methanol 50/50 (v/v) 70% saturated with 1N acetic acid
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Vitamin B1 0,5% 2. Vitamin B12 0,1% 3. Nicotinamide 0,5%
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of aflatoxine

HPTLC Si 60 F254

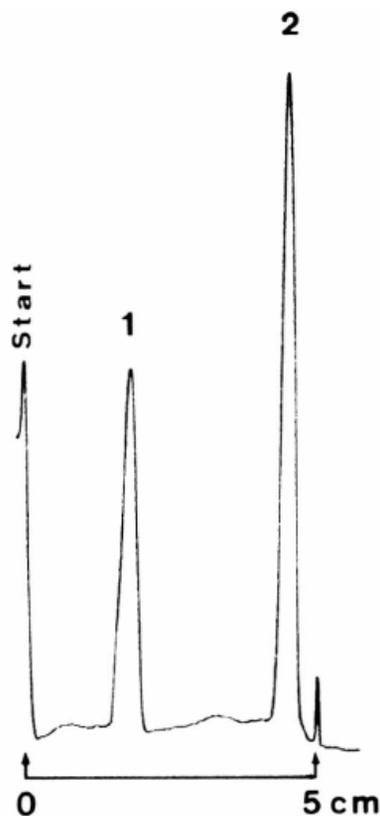
Plate	HPTLC pre-coated plate silica gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Chloroform/acetone 90/10 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Aflatoxin G ₂ 2. Aflatoxin G ₁ 3. Aflatoxin B ₂ 4. Aflatoxin B ₁ (all 0,001%)
Application volume	1 µl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 334 nm



Separation of antioxidants

HPTLC Si 60 F254

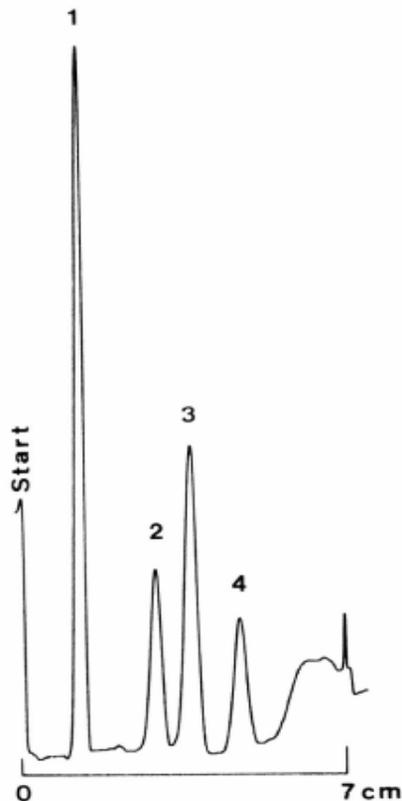
Plate	HPTLC pre-coated plate silica gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Petroleum benzene 40-60°/acetone 90/10 (v/v)
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. BHA (2-tert-butyl-4-methoxyphenol) 2. BHT (2,6-di-tert-butyl-4-methylphenol) (all 1,0%)
Application volume	1 µl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of biphenylols

HPTLC Si 60 F254

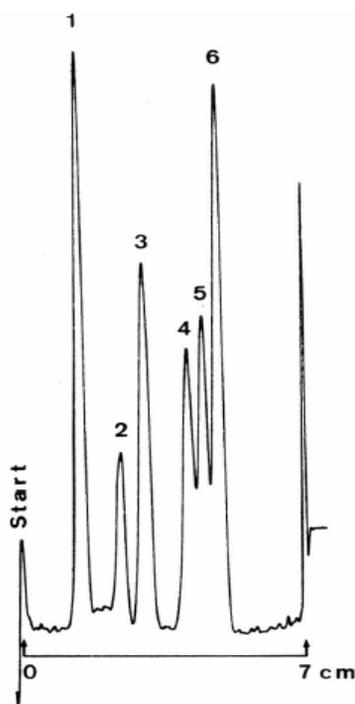
Plate	HPTLC pre-coated plate silica gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Toluene/chloroform/methanol 80/10/10 (v/v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 1,1'-Biphenyl-4,4'-diol 2. 1,1'-Biphenyl-2,2'-diol 3. 1,1'-Biphenyl-4-ol 4. 1,1'-Biphenyl-2-ol
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of cholesteryl esters

HPTLC Si 60 F254

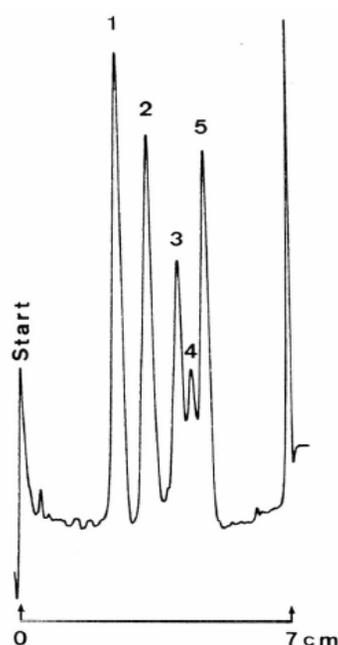
Plate	HPTLC pre-coated plate silica gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Toluene/petroleum benzene 40-60° 40/60 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	<ol style="list-style-type: none"> 1. Cholesteryl cinnamate 2. Cholesteryl valerate 3. Cholesteryl acetate 4. Cholesteryl nonanoate 5. Cholesteryl dodecanoate 6. Cholesteryl stearate (all 0,01%)
Application volume	5 µl
Detection	Spray reagent: MnCl ₂ -sulfuric acid heating up to 110°C for 5 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm



Separation of some cholesteryl esters

HPTLC Si 60 F254

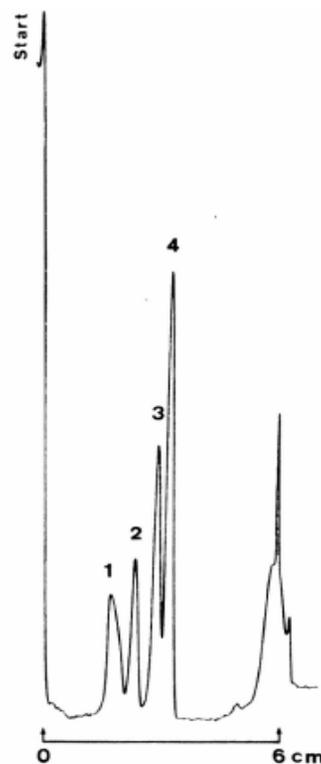
Plate	HPTLC pre-coated plate silica gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Toluene/petroleum benzene 40-60° 40/60 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Cholesteryl butonate 2. Cholesteryl hexonate 3. Cholesteryl linoleate 4. Cholesteryl oleate 5. Cholesteryl erucate (all 0,01%)
Application volume	5 µl
Detection	Spray reagent: MnCl ₂ -sulfuric acid heating up to 110°C for 5 min. In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm



Separation of phenol carboxylic acids

HPTLC Si 60 F254

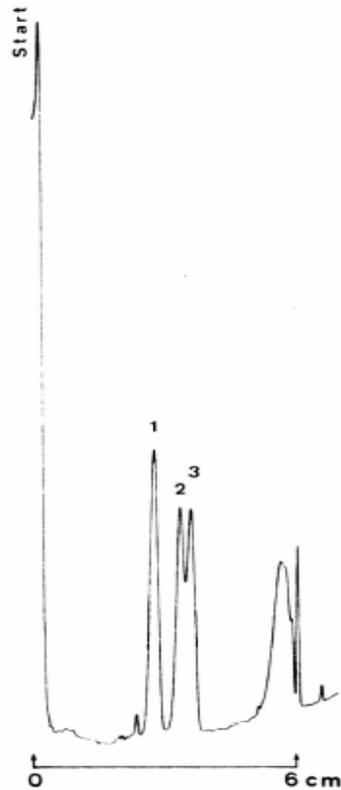
Plate	HPTLC pre-coated plate silica gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Acetonitrile/water 95/5 (v/v)
Migration distance	6 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Salicylic acid 0,15% 2. Syringic acid 0,05% 3. Ferulic acid 0,05% 4. o-Hydroxycinnamic acid 0,05%
Application volume	1 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of hydroxycinnamic acids

HPTLC Si 60 F254

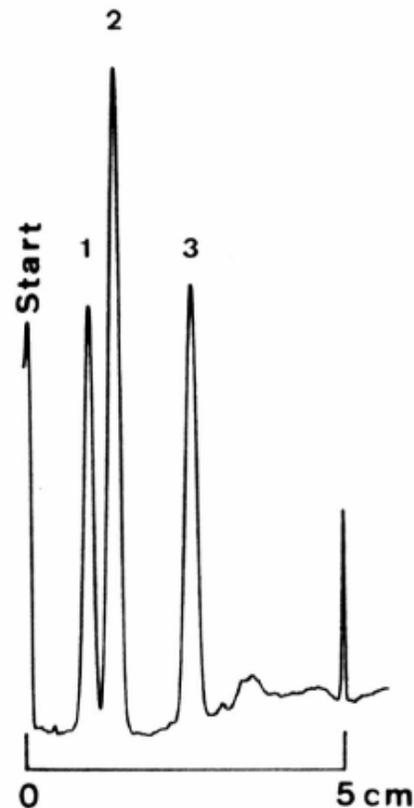
Plate	HPTLC pre-coated plate silica gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Acetonitrile/methanol/water 90/5/5 (v/v)
Migration distance	6 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. m-Hydroxycinnamic acid 2. p-Hydroxycinnamic acid 3. o-Hydroxycinnamic acid (all 0,02%)
Application volume	1 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of nitroaniline

HPTLC Si 60 F254

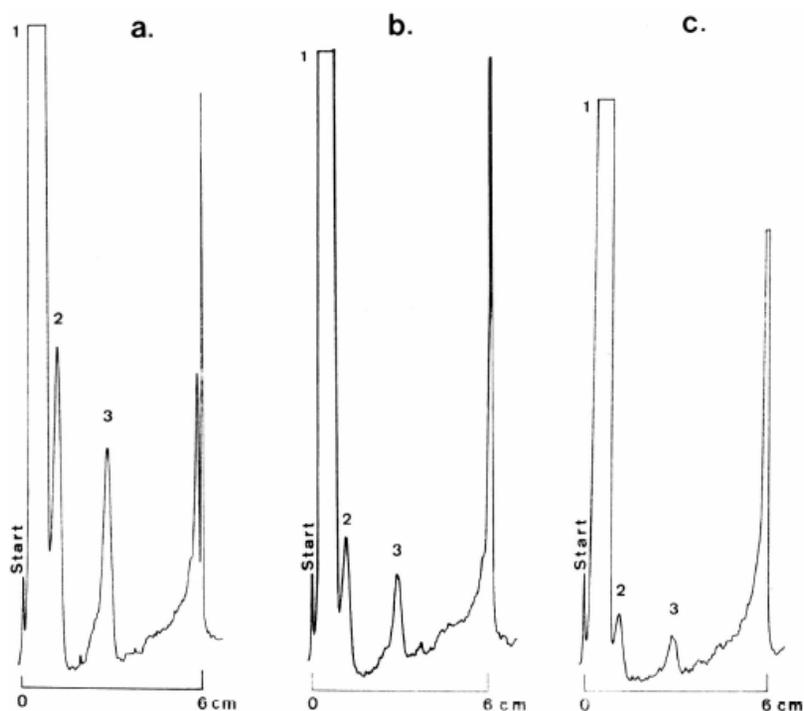
Plate	HPTLC pre-coated plate silica gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Carbon tetrachloride/acetic acid glacial 90/10 (v/v)
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. p-Nitroaniline 2. m-Nitroaniline 3. o-Nitroaniline
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of nitroaniline, which have relative concentrations

HPTLC Si 60 F254

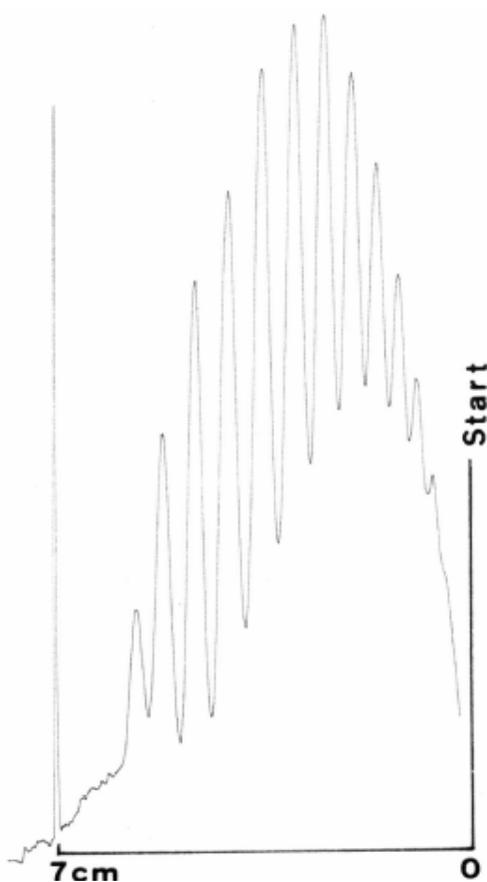
Plate	TLC aluminium sheets silica gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)		
Eluent	Carbon tetrachloride/acetic acid glacial 90/10 (v/v)		
Migration distance	6 cm		
Chamber	Normal chamber without chamber saturation		
Compounds	a.	b.	c.
1 p-Nitroaniline	1 %	1 %	1 %
2 m-Nitroaniline	0,005%	0,002%	0,001%
3 o-Nitroaniline	0,005%	0,002%	0,001%
Application volume	5 µl		
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm		



Separation of polystyrene 800

HPTLC Si 60 F254

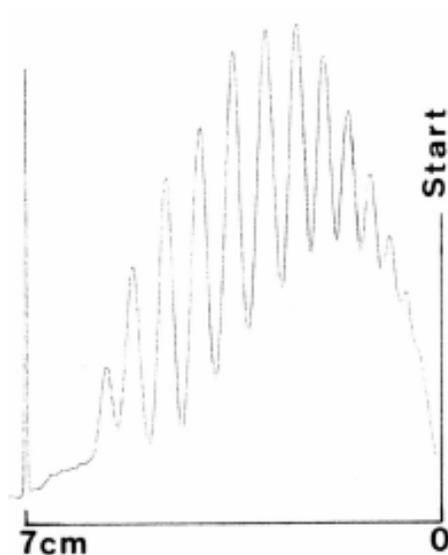
Plate	TLC pre-coated plate gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Cyclohexane/toluene 75/25 (v/v)
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	Polystyrene standard 800
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of polystyrene 800

HPTLC Si 60 F254

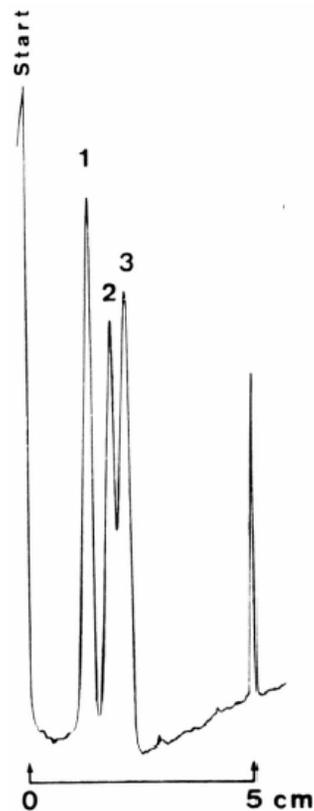
Plate	TLC pre-coated plate gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Carbon tetrachloride
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	Polystyrene standard 800
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of phenylenediamines

HPTLC Si 60 F254

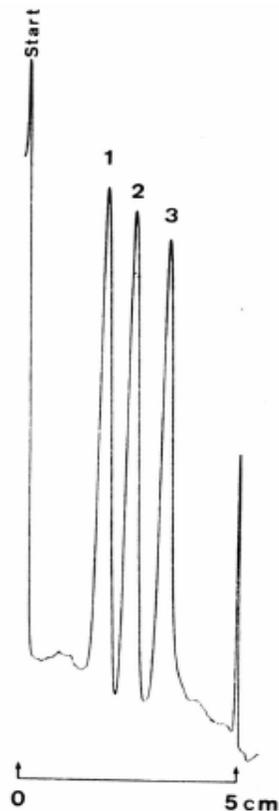
Plate	TLC pre-coated plate gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Chloroform/methanol, 90/10 (v/v) 80% saturated with water
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 1,4-Phenylenediamine 2. 1,3-Phenylenediamine 3. 1,2-Phenylenediamine (all 0,05%)
Application volume	1 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 280 nm



Separation of plasticizers

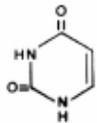
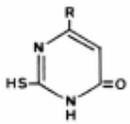
HPTLC Si 60 F254

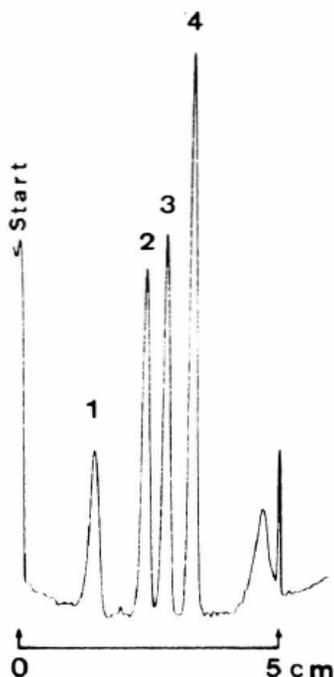
Plate	TLC pre-coated plate gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Petroleum benzine 40-60°/acetone 90/10 (v/v)
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Dimethyl phthalate 2. Diethyl phthalate 3. Dibutyl phthalate (all 0,2%)
Application volume	1 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of pyrimidine derivatives

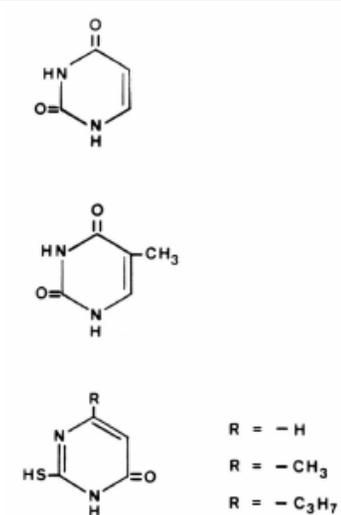
HPTLC Si 60 F254

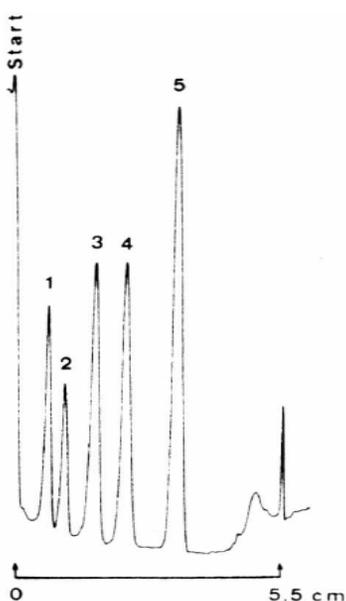
Plate	TLC pre-coated plate gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Chloroform/methanol 90/10 (v/v)
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Compounds	<ol style="list-style-type: none"> 1. Uracil 2. Thiouracil 3. 4-Methyl-2-thiouracil 4. 4-Propyl-2-thiouracil <p>(All 0,01%)</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;">  </div> <div style="margin-left: 20px;">  </div> <div style="margin-left: 20px;"> <p>R = -H</p> <p>R = -CH₃</p> <p>R = -C₃H₇</p> </div> </div>
Application volume	2 µl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of pyrimidine derivatives

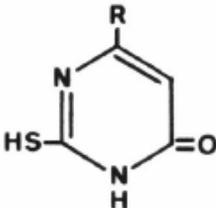
HPTLC Si 60 F254

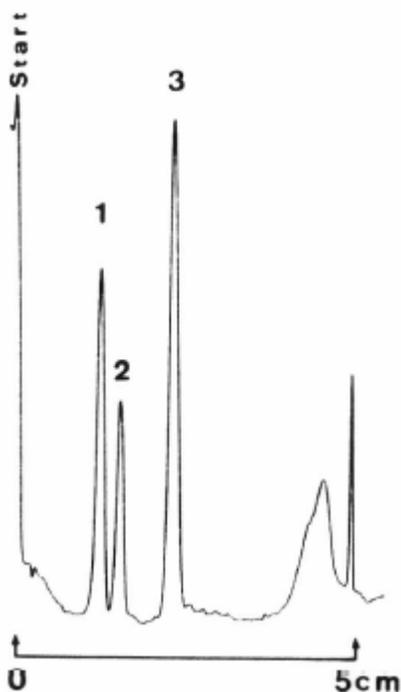
Plate	TLC pre-coated plate gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Chloroform/methanol 90/10 (v/v)
Migration distance	5,5 cm
Chamber	Normal chamber without chamber saturation
Compounds	<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <ol style="list-style-type: none"> 1. Uracil 2. Thymine 3. Thiouracil 4. 4-Methyl-2-thiouracil 5. 4-Propyl-2-thiouracil (All 0,01%) </div> <div style="flex: 1; text-align: center;">  <p> <chem>O=C1NC=CC(=O)N1</chem> <chem>CC1=CNC(=O)NC1=O</chem> <chem>NC1=NC(=O)NC=C1R</chem> </p> <p> R = - H R = - CH₃ R = - C₃H₇ </p> </div> </div>
Application volume	2 µl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of thiouraciles

HPTLC Si 60 F254

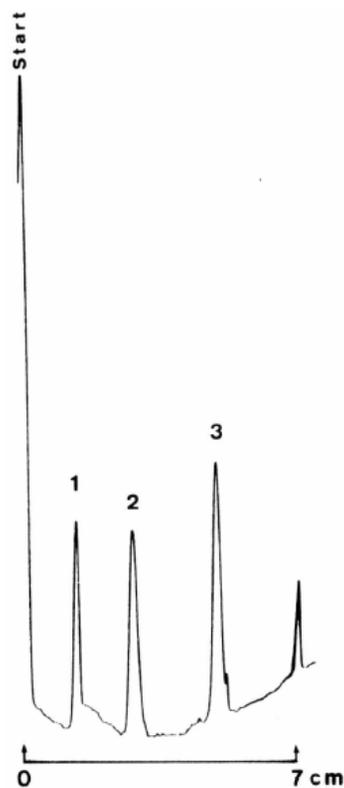
Plate	TLC pre-coated plate gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Chloroform/2-propanol 90/10 (v/v)
Migration distance	6 cm
Chamber	Normal chamber without chamber saturation
Compounds	All 0,01% <div style="display: flex; align-items: center; justify-content: space-between;"> <div style="width: 60%;"> <p>Thiouracil $R = -H$</p> <p>4-Methyl-2-thiouracil $R = -CH_3$</p> <p>4-Propyl-2-thiouracil $R = -C_3H_7$</p> </div> <div style="width: 35%; text-align: center;">  </div> </div>
Application volume	2 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 265 nm



Separation of water soluble vitamins

HPTLC Si 60 F254

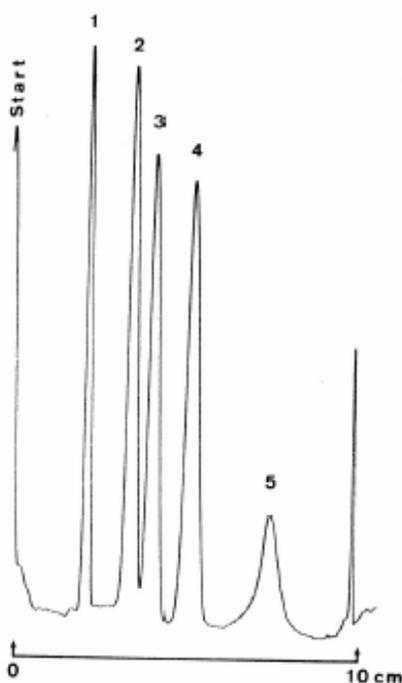
Plate	TLC pre-coated plate gel 60 F254 with concentrating zone (P/N 1. 13728, alt P/N 1. 13727)
Eluent	Chloroform/methanol 60/40 (v/v) 80% saturated with water with addition of 0,01 mol/l lithium chloride
Migration distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. L-Ascorbic acid 2. Nicotinic acid 3. Nicotin anide (all 0,05%)
Application volume	1 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 270 nm



Separation of biphenylols

TLC Si 60 F254

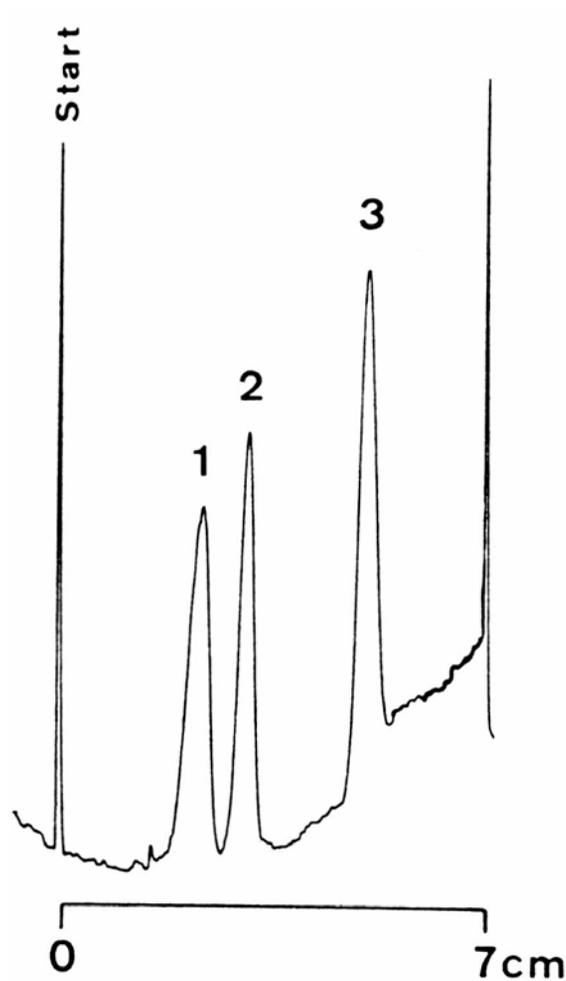
Plate	TLC pre-coated plate gel 60 F254 with concentrating zone (P/N 1. 11798, alt P/N 1. 05583)
Eluent	Toluene/chloroform/methanol 80/10/10 (v/v/v)
Migration distance	10 cm
Chamber	Normal chamber with chamber saturation
Compounds	1. 1,1'-Biphenyl-4,4'-diol 0,01% 2. 1,1'-Biphenyl-2,2'-diol 0,05% 3. 1,1'-Biphenyl-4-ol 0,01% 4. 1,1'-Biphenyl-2-ol 0,05% 5. Biphenyl 0,1%
Application volume	5 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of alkaloids

HPTLC Silica gel 60 F254

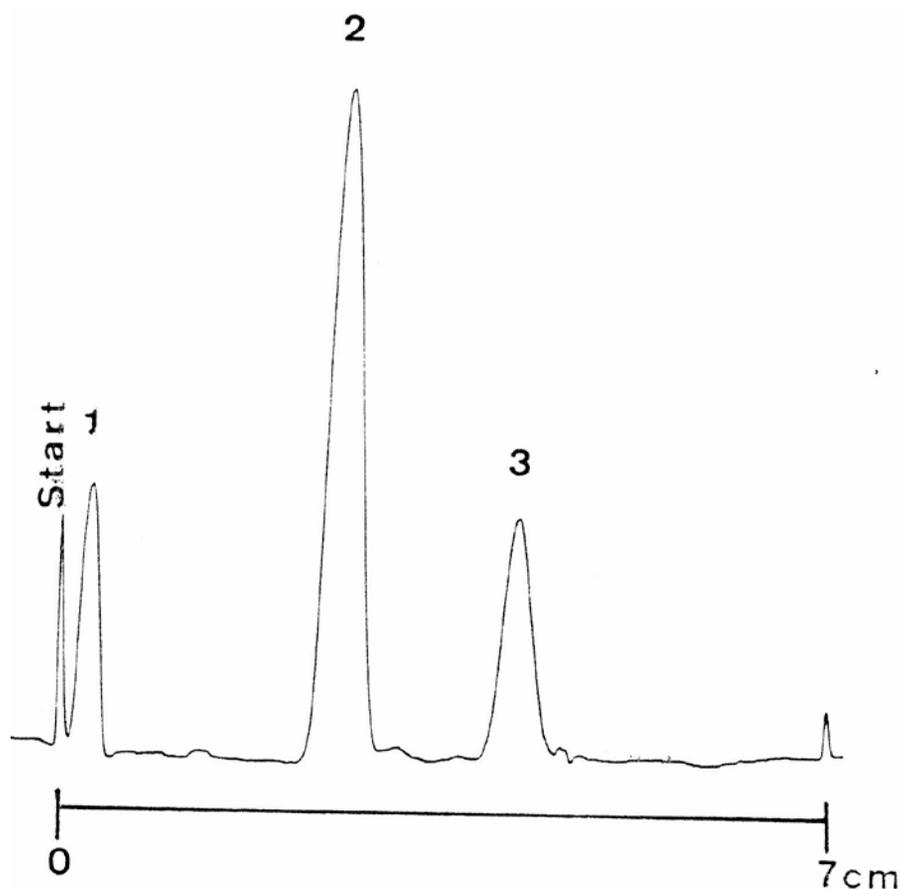
Plate	HPTLC pre-coated plate silica gel 60 F 254 (P/N: 1.05642, Alternative P/N: 1.05548)
Eluent	Methanol/ammonia 25% 99/1 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Ephedrine 2. Caffeine 3. Codeine
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of insecticides

HPTLC Silica gel 60 F254

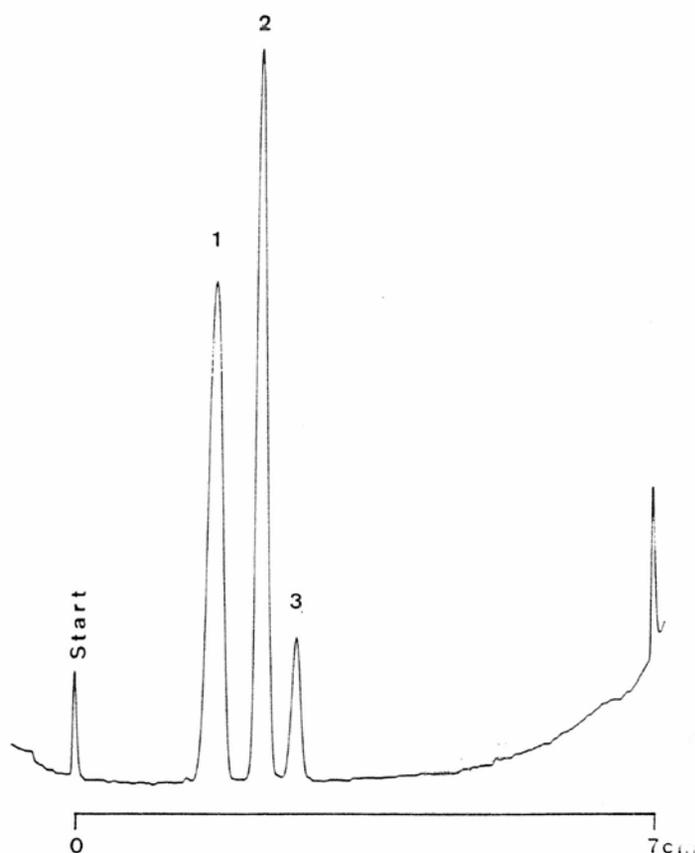
Plate	HPTLC pre-coated plate silica gel 60 F 254 (P/N: 1.05642, Alternative P/N: 1.05548)
Eluent	n-heptane
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Endrin 2. DDT 3. Aldrin
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of pharmaceutical products

HPTLC Silica gel 60 F254

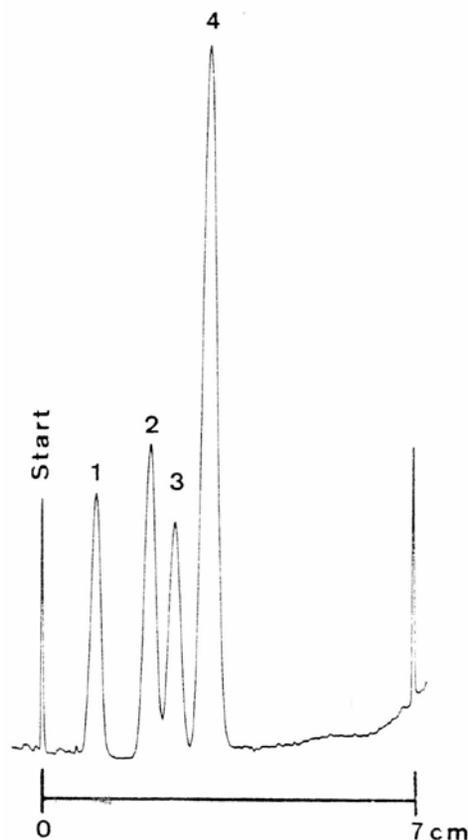
Plate	HPTLC pre-coated plate silica gel 60 F 254 (P/N: 1.05642, Alternative P/N: 1.05548)
Eluent	Dichloromethan/ethanol 95/5 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Oimethylaminophenazone 2. Caffeine 3. Phenylethylbarbiturate
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of plant-protective agents

HPTLC Silica gel 60 F254

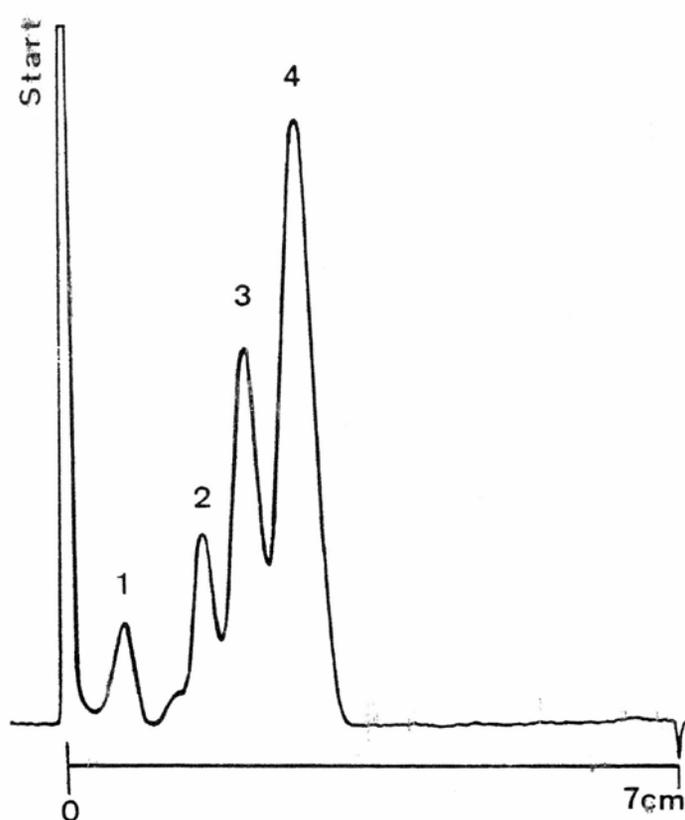
Plate	HPTLC pre-coated plate silica gel 60 F 254 (P/N: 1.05642, Alternative P/N: 1.05548)
Eluent	n-heptane
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. p,p' - DDD 2. p,p' - DDT 3. o,p' - DDT 4. p,p' - DDE
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of polycyclic aromatic hydrocarbons

HPTLC Silica gel 60 F254

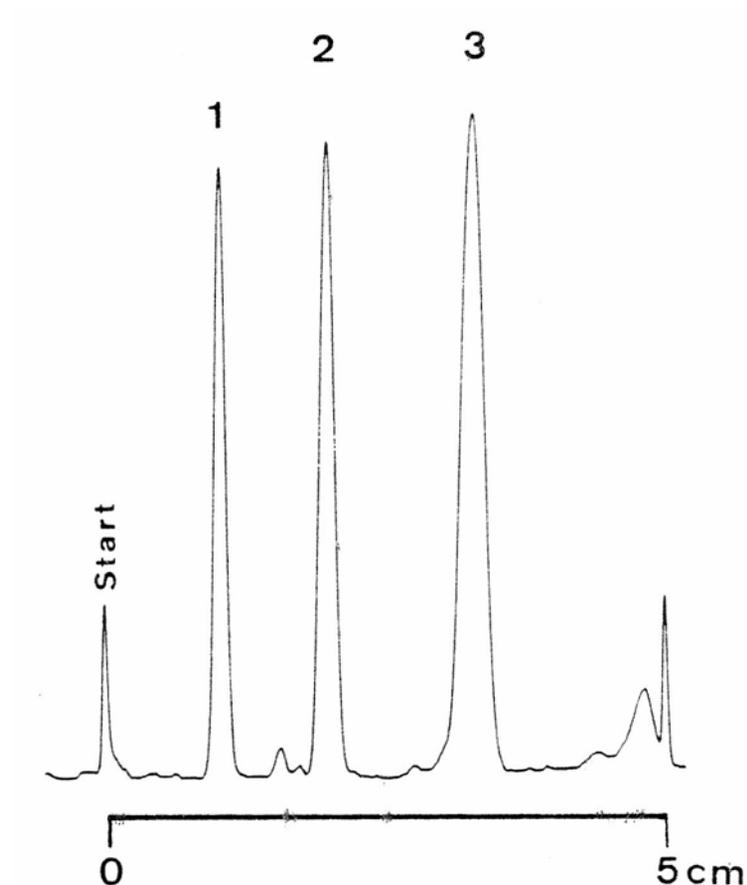
Plate	HPTLC pre-coated plate silica gel 60 F 254 (P/N: 1.05642, Alternative P/N: 1.05548)
Eluent	n-peritane
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Coronene 2. Benz(a)anthracene 3. Fluoranthene 4. Anthracene
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 365 nm



Separation of steroids

HPTLC Silica gel 60 F254

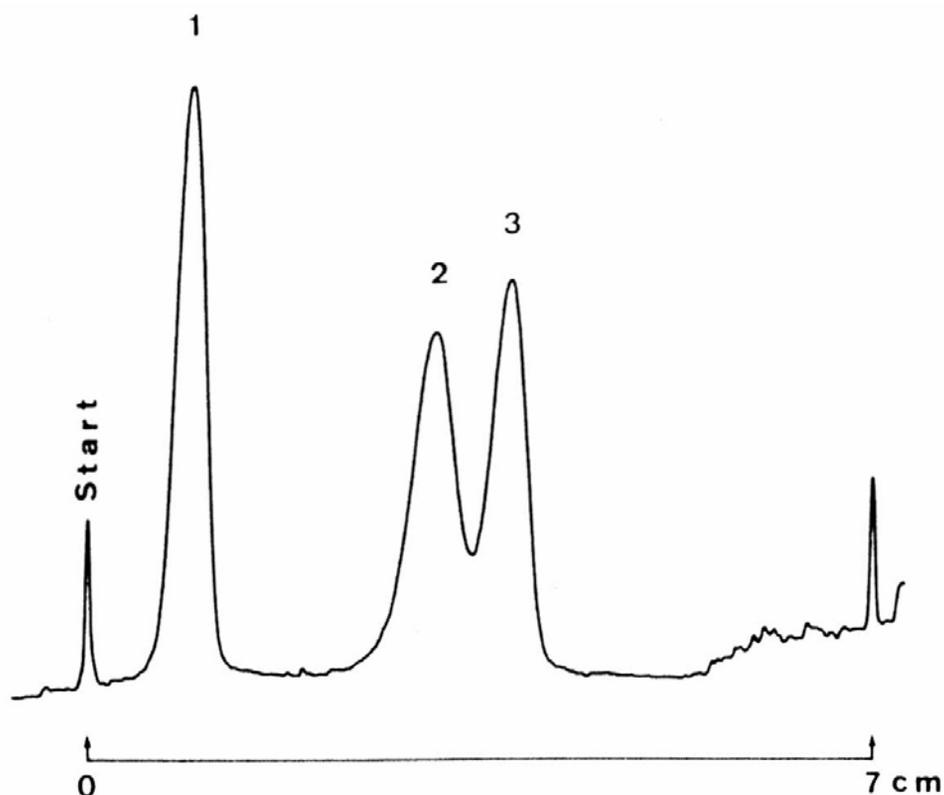
Plate	HPTLC pre-coated plate silica gel 60 F 254 (P/N: 1.05642, Alternative P/N: 1.05548)
Eluent	Chloroform/methanol 95/5 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Hydrocortison 2. Reichstein's substance "S" 3. Methyltestosterone
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Adsorption chromatographic separation of some chlorophenols

HPTLC Silica gel 60 F254

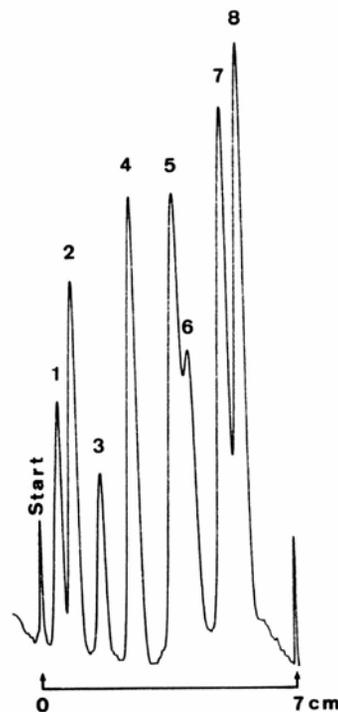
Plate	HPTLC pre-coated plate silica gel 60 F 254 (P/N: 1.05642, Alternative P/N: 1.05548)
Eluent	Chloroform
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 2,4,6-Trichlorophenole (0,8%) 2. 2,4-Dichlorophenole (1,0%) 3. 4-Chlorophenole (1,0%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 224 nm



Separation of some pesticides

HPTLC DIOL F254s

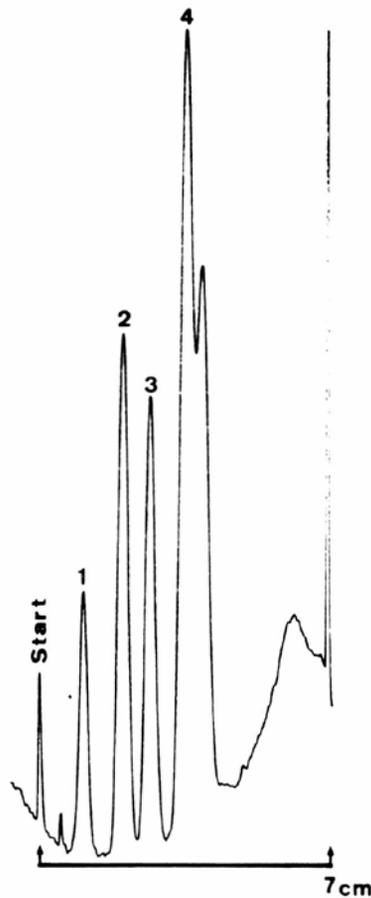
Plate	HPTIC pre-coated plate DIOL F 254s (P/N: 1.05636, Alternative P/N: 1.12668)
Eluent	Petroleum benzine (40 - 60°)/acetone 90/10 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Methoxuron 0,2% 2. Monuron 0,2% 3. Simazin 0,2% 4. Propazin 0,2% 5. Parathion-ethyl 0,2% 6. Aalachlor 0,4% 7. Pendimethalin 0,2% 8. Trifluralin 0,2%
Application volume	300 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 238 nm



Separation of herbicides/fungicides

HPTLC DIOL F254s

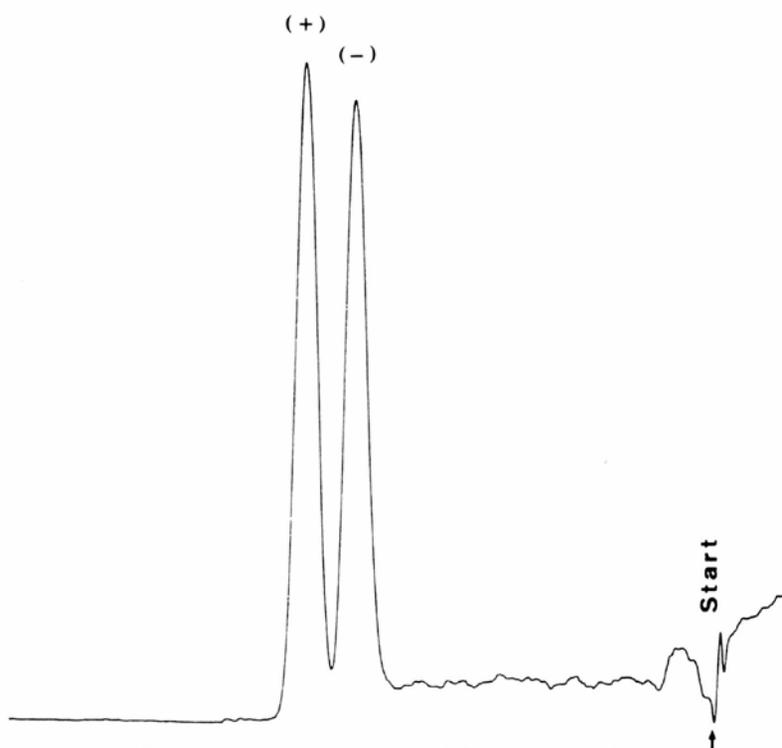
Plate	HPTIC pre-coated plate DIOL F 254s (P/N: 1.05636, Alternative P/N: 1.12668)
Eluent	Petroleum benzine (40 - 60°)/acetone 85/15 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. Clopyralid (0,2%) 2. Metazachlor (0,4%) 3. Vinclozolin (0,4%) 4. Dinoseb(-acetate) (0,2%)
Application volume	500 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 238 nm



Separation of (\pm)Anthryltrifluoroethanol

HPTLC NH₂ F254s

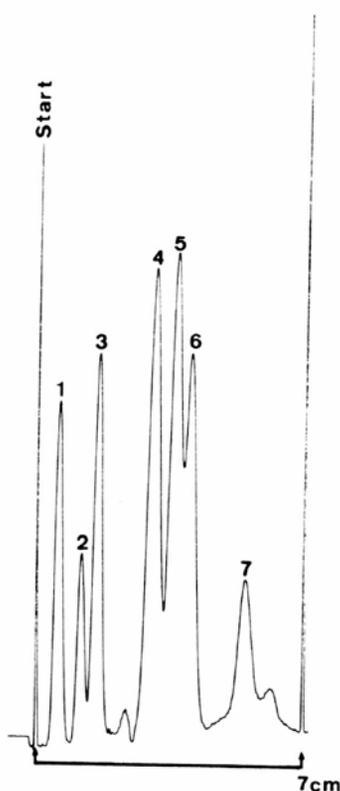
Plate	HPTLC pre-coated plate NH ₂ F 254s impregnated with 3,5-Dinitrobenzoylphenylglycine (P/N: 1.13192, Alternative P/N: 1.15647)
Eluent	n-hexane/2-propanol 95/30 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1-(9-Anthryl)-2,2,2-trifluoroethanol (0,2%)
Application volume	2 μ l
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 366 nm



Separation of Nitrophenols

HPTLC CN F254s

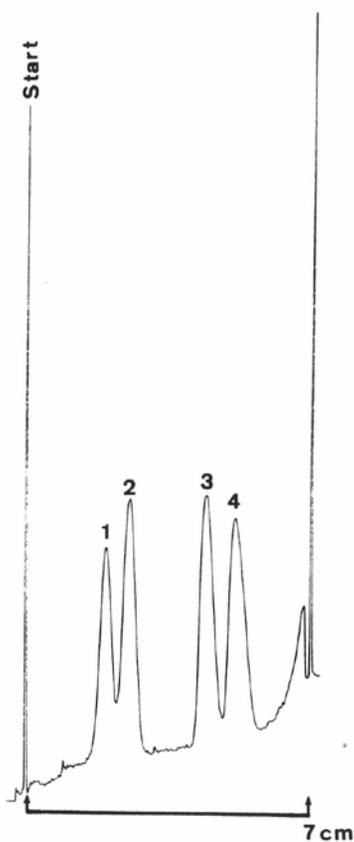
Plate	HPTLC pre-coated plate CN F254s (1.16464)
Eluent	Carbon tetrachloride/methanol 48/2 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 2,3-Dinitrophenol 2. 4-Nitrophenol 3. 3-Nitrophenol 4. 2,6-Dinitrophenol 5. 2,4-Dinitrophenol 6. 2,5-Dinitrophenol 7. 2-Nitrophenol (all 0,2%)
Application volume	200 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of dinitrophenols

HPTLC CN F254s

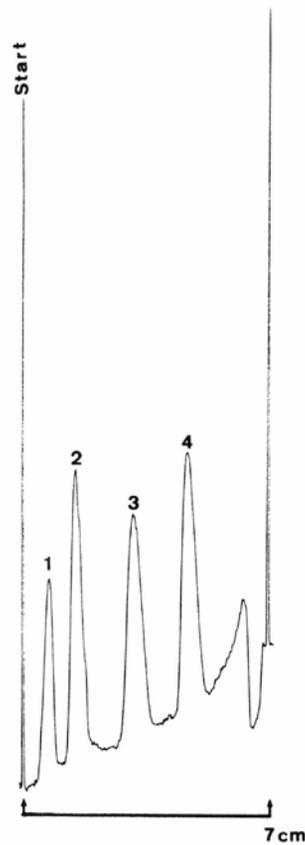
Plate	HPTLC pre-coated plate CN F254s (1.16464)
Eluent	Acetone/water 40/60 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 2,3-Dinitrophenol 2. 2,5-Dinitrophenol 3. 2,4-Dinitrophenol 4. 2,6-Dinitrophenol (all 0,2%)
Application volume	100 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm



Separation of dinitrophenols

HPTLC RP 18W F254s

Plate	HPTLC pre-coated plate RP 18W F254s (1.13724)
Eluent	Acetone/water 30/70 (v/v)
Migration Distance	7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. 2,3-Dinitrophenol 2. 2,5-Dinitrophenol 3. 2,4-Dinitrophenol 4. 2,6-Dinitrophenol (all 0,2%)
Application volume	100 nl
Detection	In-situ evaluation with TLC/HPTLC scanner (Camag) UV 254 nm

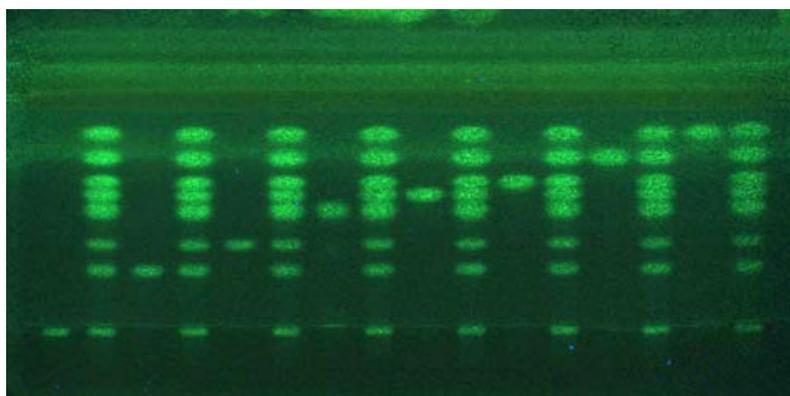


Separation of sugars on Silica gel 60

Plate	HPTLC Silica gel 60 20x10cm (P/N 1. 05641, alt. P/N 1. 05631)
Mobile phase (v/v)	1. 2-propanol/chloroform/methanol/ammonia25%/water (45/45/20/4/6) 2. water/ACN (15/85) 3. water/ACN (15/85) 4. water/ACN (15/85) 5. water/ACN (15/85)
Migration distance	Each 7 cm
Chamber	Normal chamber without chamber saturation
Compounds	1. β -Sitosterol 2. Diosgenin 3. Lanosterol (all 0,2%)
Application volume	2 μ l
Detection	Blei(IV)-acetat-Dichlorfluorescein-Reagent prepare a mixture of 3,75ml Blei(IV)-acetat saturated in glacial acetic acid and 3,75ml (0,22g Dichlorfluorescein in 100ml ethanol) and dilute to 150ml with toluene, spray 20s and heat 30min at 100°C, Detection UV @ 366nm

Chromatographic Data

No.	Compounds	Concentration (mg/ml)	Solvent
1	Raffinose	0,5	water
3	Maltose-Monohydrat	0,5	water
5	Saccharose	0,5	water
7	Galactose	0,5	water
9	D(+)-Glucose	0,5	water
11	D(-)-Fructose	0,5	water
13	D(-)-Arabinose	0,5	water
15	D(-)-Ribose	0,5	water
2,4,6,8,10,12,14,16	sugar mixture	0,5	water

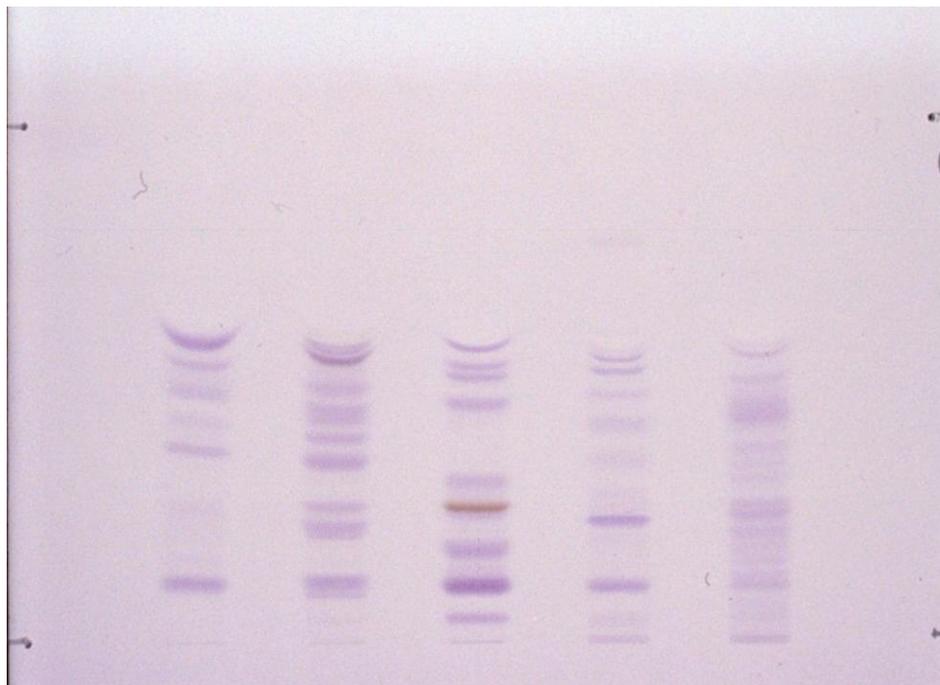


Separation of digested proteins on Silica gel 60

Plate	ProteoChrom® HPTLC Silica gel 60 F254s (P/N 1. 05650)
Mobile phase (v/v)	2-butanol/pyridin/ammonia25%/water (39/34/10/26)
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Detection	White light
Detection	0,5% Ninhydrin spray 20s and heat 1-2min at 110°C

Chromatographic Data

No.	compounds	Concentration (mg/ml)	Solvent	Application volume μ l
1	lysozyme digested	2	water/ACN 85/15	7
2	myoglobin digested	2	water/ACN 85/15	7
3	cytochrome c digested	2	water/ACN 85/15	7
4	β -casein digested	2	water/ACN 85/15	7
5	BSA digested	2	water/ACN 85/15	7

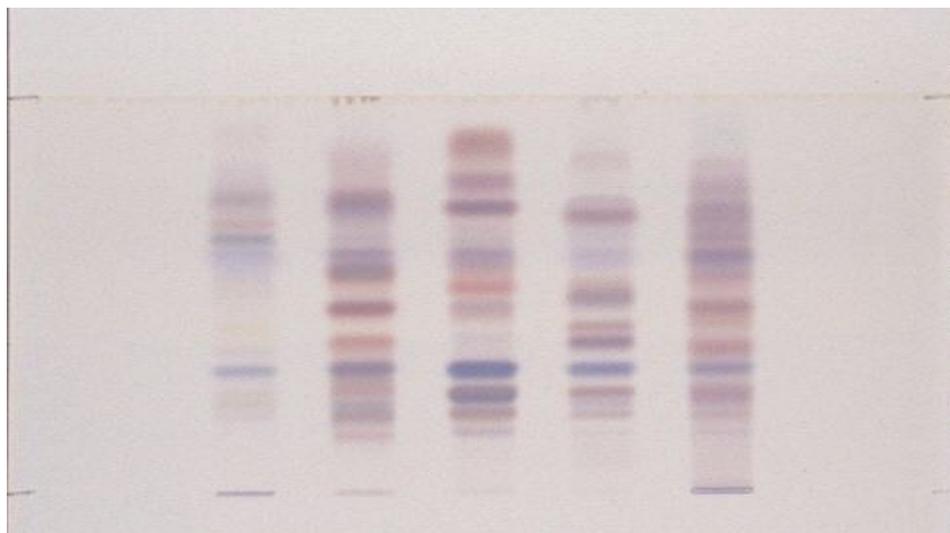


Separation of digested proteins on Cellulose

Plate	ProteoChrom® HPTLC Cellulose (P/N 1. 05651)
Mobile phase (v/v)	2-butanol/pyridin/acetic acid/water (30/20/6/24)
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Detection	White light
Detection	ProteoChrom® Color Peptide Staining Kit 1. spray ProteoChrom® Color Reagent and dry 5min at room temperature 2. spray Ninhydrin and heat 1–2min at 110°C

Chromatographic data

No.	compounds	Concentration(mg/ml)	Solvent	Application volume(μl)
1	lysozyme digested	2,0	water/ACN 85/15	7,0
2	myoglobin digested	2,0	water/ACN 85/15	7,0
3	cytochrome c digested	2,0	water/ACN 85/15	7,0
4	β-casein digested	2,0	water/ACN 85/15	7,0
5	BSA digested	2,0	water/ACN 85/15	7,0

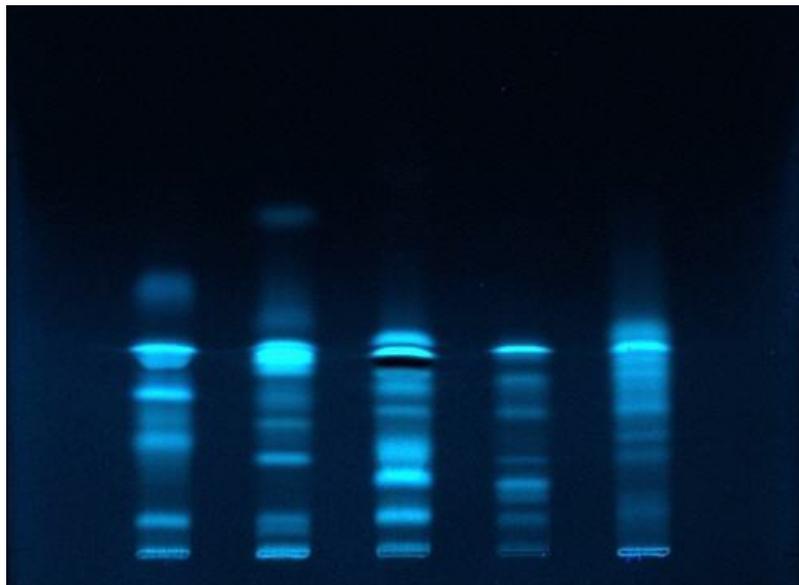


Separation of digested proteins on Silica gel 60 RP-8

Plate	HPTLC Silica gel 60 RP-8 F254s (P/N 1. 13725)
Mobile phase (v/v)	methanol/water (70/30) + 0,1mol/l ammonium
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Detection	0,02% fluorescamin solution in acetone spray 20s and dry 10min at room temperature Detection UV @ 366nm

Chromatographic data

No.	Compounds	Concentration(mg/ml)	Solvent	Application volume(μl)
1	lysozyme digested	2,0	water/ACN 85/15	7,0
2	myoglobin digested	2,0	water/ACN 85/15	7,0
3	cytochrome c digested	2,0	water/ACN 85/15	7,0
4	β-casein digested	2,0	water/ACN 85/15	7,0
5	BSA digested	2,0	water/ACN 85/15	7,0

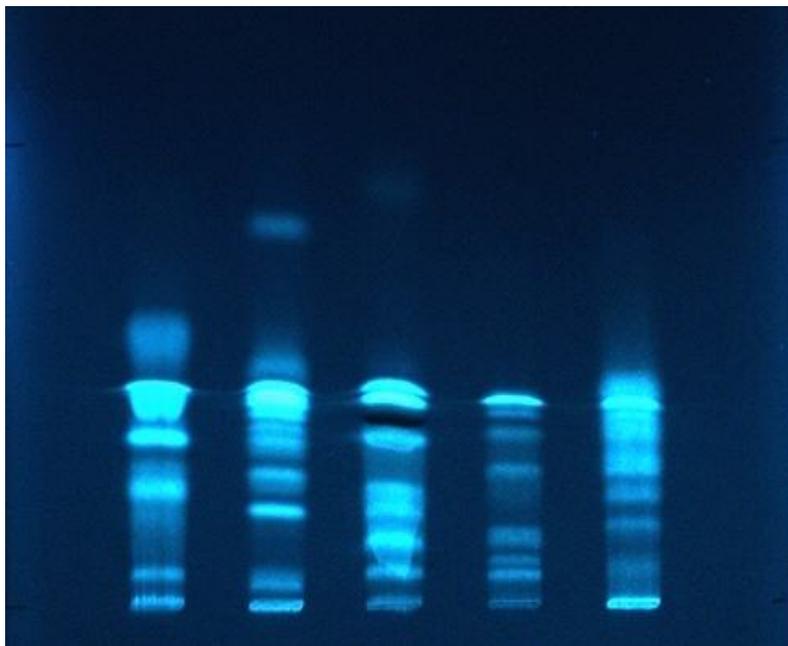


Separation of digested proteins on Silica gel 60 RP-18

Plate	HPTLC Silica gel 60 RP-18 F254s (P/N 1. 13724, alt P/N 1. 16225)
Mobile phase (v/v)	methanol/water (70/30) + 0,1mol/l ammonium acetate
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Detection	0,02% fluorescamin solution in acetone spray 20s and dry 10min at room temperature Detection UV @ 366nm

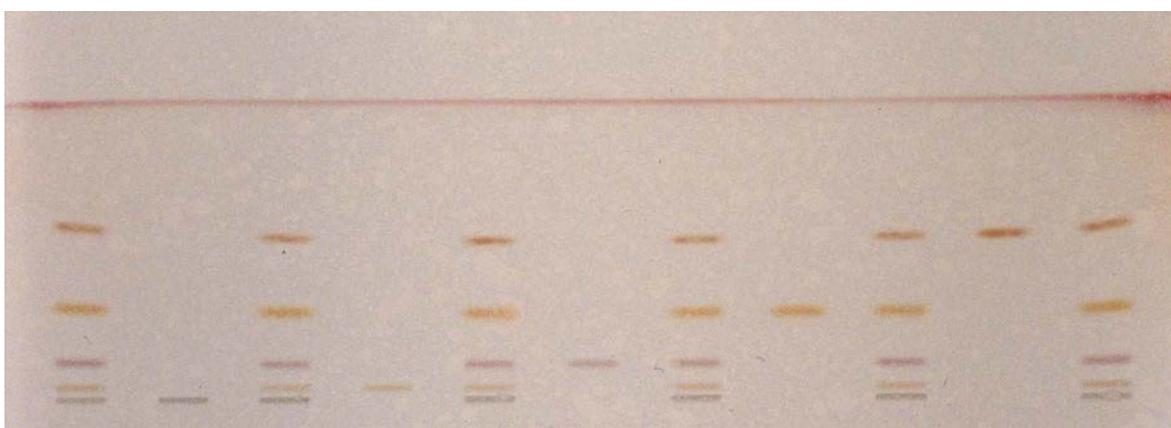
Chromatographic data

No.	Compounds	Concentration(mg/ml)	Solvent	Application volume(μl)
1	lysozyme digested	2,0	water/ACN 85/15	7,0
2	myoglobin digested	2,0	water/ACN 85/15	7,0
3	cytochrome c digested	2,0	water/ACN 85/15	7,0
4	β-casein digested	2,0	water/ACN 85/15	7,0
5	BSA digested	2,0	water/ACN 85/15	7,0



Separation of steroids Silica gel 60 DIOL

Plate	HPTLC Silica gel 60 DIOL F254s 20x10cm (P/N 1. 05636, alt P/N 1. 12668)
Mobile phase (v/v)	Petroleum benzine 40–60°C/acetone (80/20)
Migration distance	Each 5 cm
Application volume	1 μ L
Chamber	Normal chamber without chamber saturation
Detection	20% perchloric acid in water spray 20s and heat 5min at 100°C, Detection white light

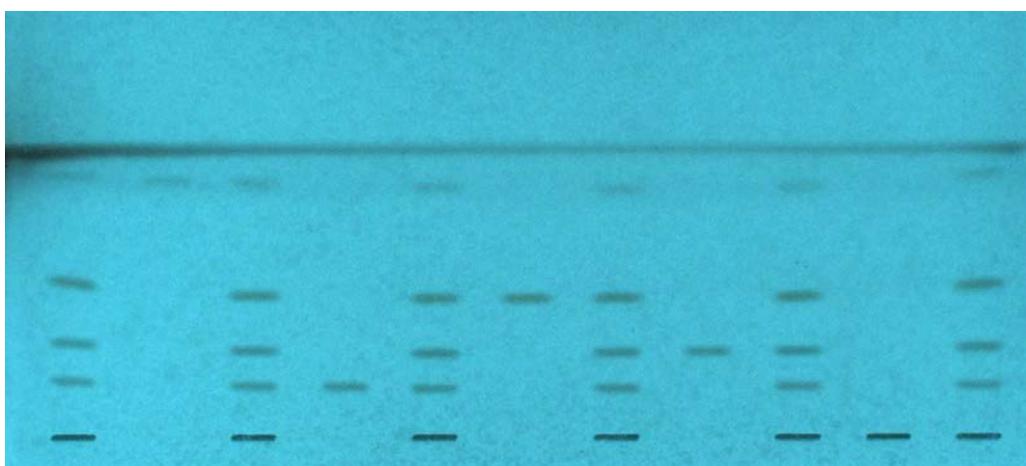


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	hRf
2	trimipramine	1,0	methanol	0
4	hydrocortisone	1,0	methanol	4
6	reichstein's S	1,0	methanol	13
8	methyl testosterone	1,0	methanol	31
10	cholesterol	1,0	methanol	56
1, 3, 5, 7, 9 and 11	steroid mixture	1,0	methanol	-

Separation of steroids Silica gel 60 CN

Plate	HPTLC Silica gel 60 CN F254s 20x10cm (P/N 1. 12571)
Mobile phase (v/v)	Petroleum benzine 40-60°C/acetone (80/20)
Migration distance	Each 5 cm
Application volume	1 µL
Chamber	Normal chamber without chamber saturation
Detection	20% perchloric acid in water spray 20s and heat 5min at 100°C, Detection UV @ 254nm

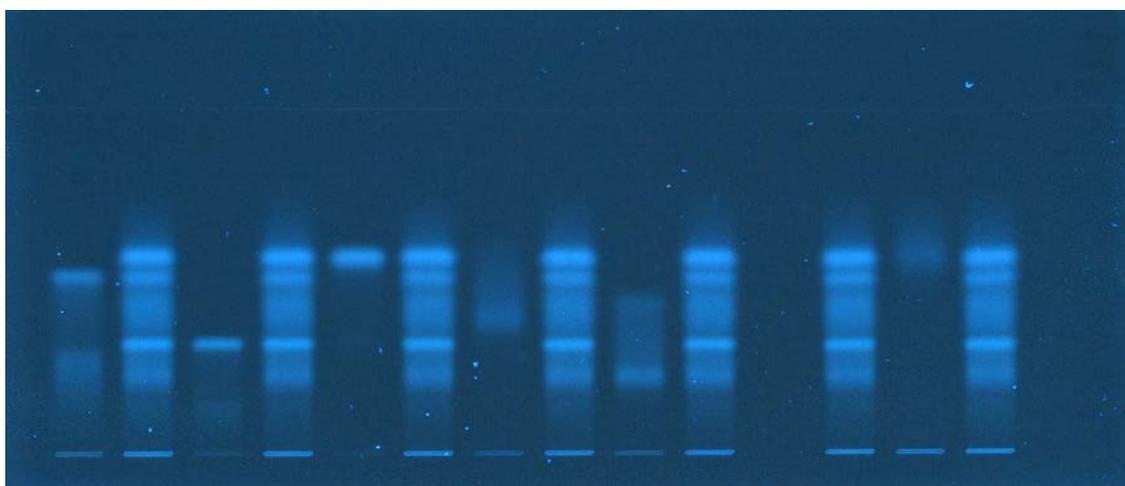


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	R _F
2	cholesterol	1,0	methanol	0
4	hydrocortisone	1,0	methanol	16
6	methyl testosterone	1,0	methanol	29
8	reichstein's S	1,0	methanol	48
10	trimipramine	1,0	methanol	86
1, 3, 5, 7, 9 and 11	steroid mixture	1,0	methanol	-

Separation of sugars on Silica gel 60 NH₂

Plate	HPTLC Silica gel 60 NH ₂ 20x10cm (P/N 1. 13192)
Mobile phase (v/v)	1) water/ACN (30/70) 2) ethylacetate/pyridine/water/glacial acetic
Migration distance	1) 55mm, 2) 75mm
Application volume	2 µL
Chamber	Normal chamber without chamber saturation
Detection	Heat 5min at 150°C, Detection

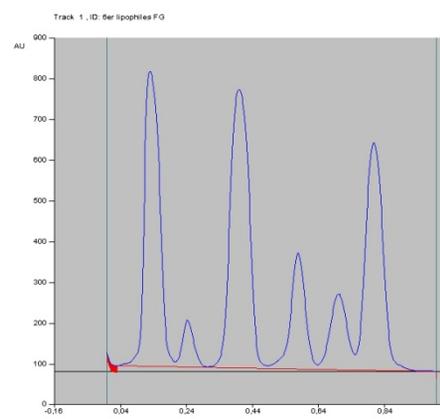
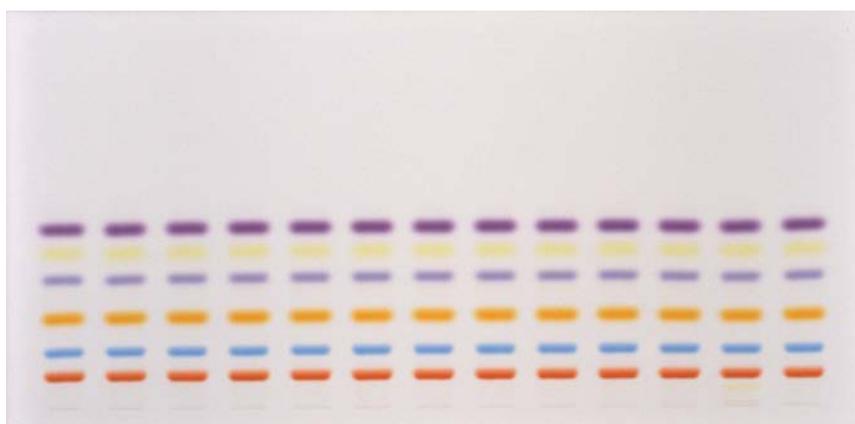


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	hRf
1	D(+)-glucose	0,5	water	-
3	maltose-monohydrate	0,5	water	-
5	D(-)-fructose	0,5	water	-
7	D(-)-arabinose	0,5	water	-
9	D(+)-galactose	0,5	water	-
11	saccharose	0,5	water	-
13	D(-)-ribose	0,5	water	-
15	raffinose	0,5	water	-
2,4,6,8,10,12,14	sugar mixture	0,5	water	-

Separation of lipophilic dye mixture on Silica gel 60

Plate	HPTLC Silica gel 60 F254, 20x10cm (P/N 1. 05642)
Mobile phase (v/v)	Toluene
Migration distance	5 cm
Application volume	2 μ L
Chamber	Normal chamber without chamber saturation
Detection	Detection white light

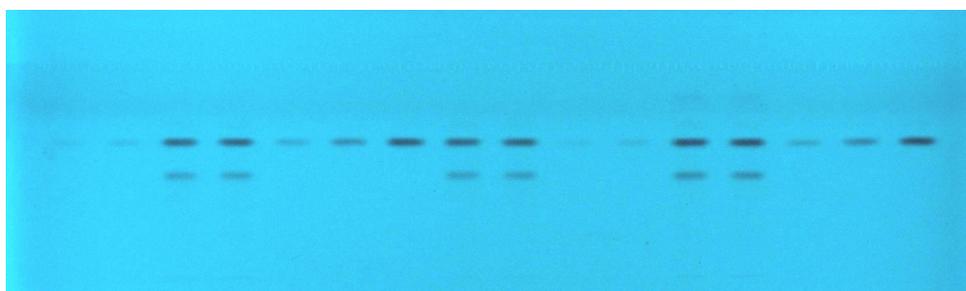


Chromatographic data

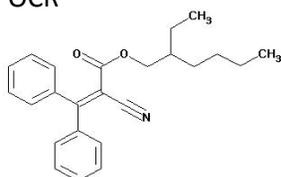
No.	Compounds	Concentration (mg/ml)	Solvent	hRf
1 to 7	p-Methoxyazobenzol (52)	3,0	toluene	14
	Sudan II (79)	3,0	toluene	26
	Sudanviolett (89)	3,0	toluene	41
	Ceresviolett BRN (55)	1,0	toluene	59
				71
				82

Separation of UV-Filter on Silica gel 60 RP-18

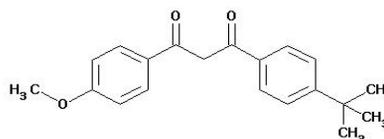
Plate	HPTLC Silica gel 60 RP-18 F254s 20x10cm (P/N 1. 16225, alt P/N 1. 13724)
Mobile phase (v/v)	Methanol/acetonitrile (90/10)
Migration distance	50 mm
Application volume	1 μ L
Chamber	Normal chamber without chamber saturation
Detection	Detection UV @ 254nm



Eusolex® OCR



Eusolex® 9020

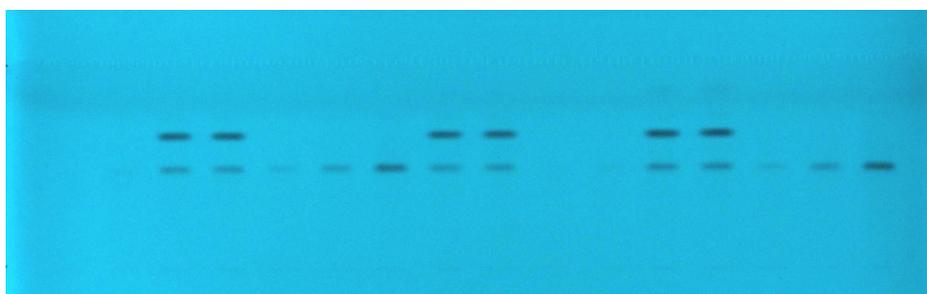


Chromatographic data

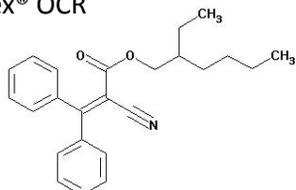
No.	Compounds	Concentration (mg/ml)	Solvent	hRf
1 and 10	Eusolex® OCR	0,2	ethanol	64
2 and 11	Eusolex® OCR	0,4	ethanol	64
3 and 4	Eusolex® OCR and Eusolex® 9020, sample 1	-	ethanol	-
5 and 14	Eusolex® OCR	0,8	ethanol	64
6 and 15	Eusolex® OCR	1,6	ethanol	64
7 and 16	Eusolex® OCR	4,0	ethanol	64
8 and 9	Eusolex® OCR and Eusolex® 9020, sample 2	-	ethanol	-
12 and 13	Eusolex® OCR and Eusolex® 9020, sample 3	-	ethanol	-

Separation of UV-Filter on Silica gel 60 RP-18

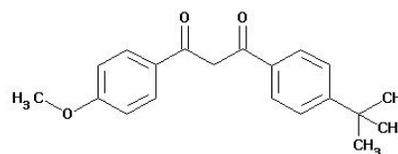
Plate	HPTLC Silica gel 60 RP-18 F254s 20x10cm (P/N 1. 16225, alt P/N 1. 13724)
Mobile phase (v/v)	Methanol/acetonitrile (90/10)
Migration distance	50 mm
Application volume	1 μ L
Chamber	Normal chamber without chamber saturation
Detection	Detection UV @ 254nm



Eusolex® OCR



Eusolex® 9020

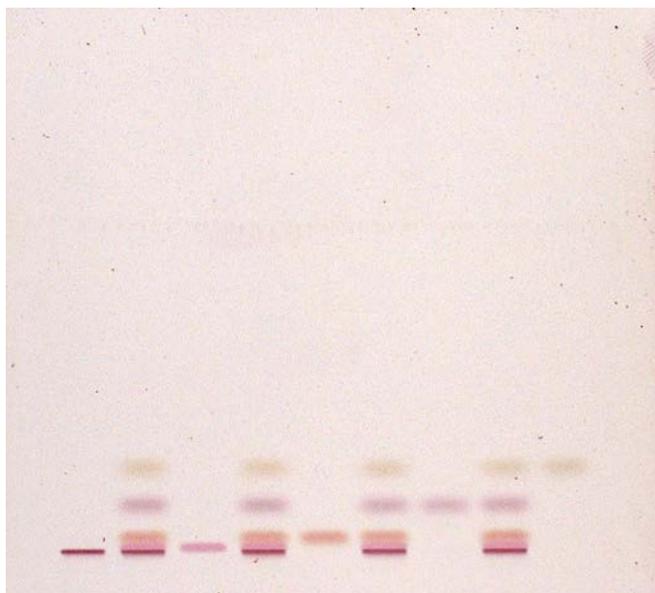


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	hRf
1 and 10	Eusolex® 9020	0,1	ethanol	49
2 and 11	Eusolex® 9020	0,2	ethanol	49
3 and 4	Eusolex® OCR and Eusolex® 9020, sample 1	-	ethanol	-
5 and 14	Eusolex® 9020	0,4	ethanol	49
6 and 15	Eusolex® 9020	0,8	ethanol	49
7 and 16	Eusolex® 9020	2,0	ethanol	49
8 and 9	Eusolex® OCR and Eusolex® 9020, sample 2	-	ethanol	-
12 and 13	Eusolex® OCR and Eusolex® 9020, sample 3	-	ethanol	-

Separation of steroids on Silica gel 60 RP-18

Plate	HPTLC Silica gel 60 RP-18 F254s 10x10cm (P/N 1. 13724, alt P/N 1. 16225)
Mobile phase (v/v)	Methanol/water (60/40)
Migration distance	5 cm
Application volume	1 μ L
Chamber	Normal chamber without chamber saturation
Detection	20% perchloric acid in ethanol spray 20s and heat 5min at 100°C, Detection white

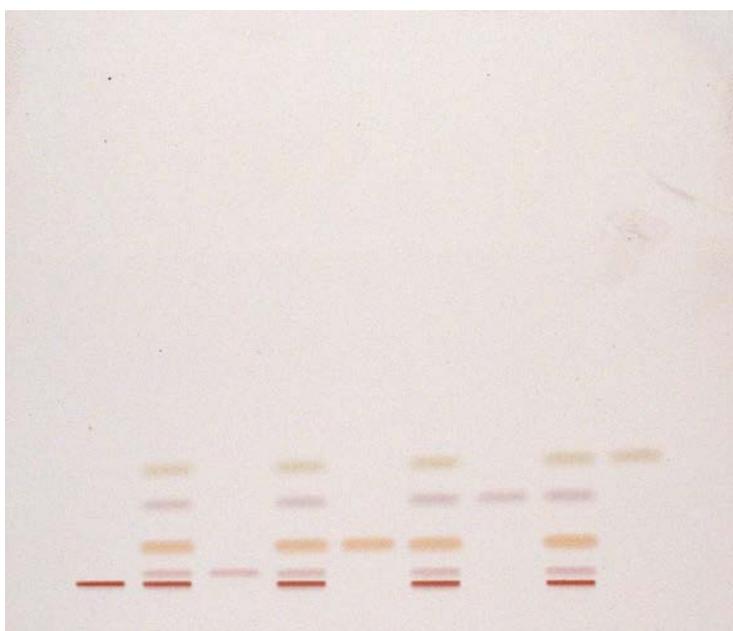


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	R _f
1	cholesterol	1,25	methanol	0
3	stanozolol	1,25	methanol	1
5	methyl testosterone	1,25	methanol	5
7	reichstein's S	1,25	methanol	14
9	hydrocortisone	1,25	methanol	26
2, 4, 6 and 8	steroid mixture	1,25	methanol	-

Separation of steroids

Plate	HPTLC Silica gel 60 RP-18 WF254s 10x10cm (P/N 1. 13124)
Mobile phase (v/v)	Methanol/water (60/40)
Migration distance	5 cm
Application volume	1 μ L
Chamber	Normal chamber without chamber saturation
Detection	20% perchloric acid in ethanol spray 20s and heat 5min at 100°C, Detection white

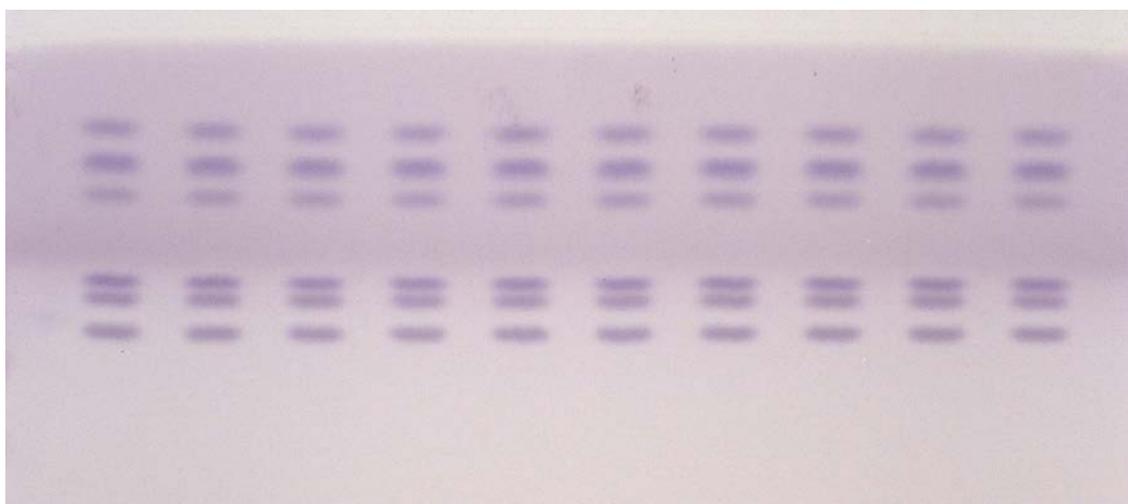


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	hRf
1	cholesterol	1,25	methanol	0
3	stanozolol	1,25	methanol	4
5	methyl testosterone	1,25	methanol	12
7	reichstein's S	1,25	methanol	26
9	hydrocortisone	1,25	methanol	37
2, 4, 6 and 8	steroid mixture	1,25	methanol	-

Separation of amino acids on Cellulose

Plate	TLC Cellulose 20x10cm (P/N 1. 05716, alt P/N 1. 05730)
Mobile phase (v/v)	1. 1-butanol/acetone/glacial acetic acid/water 2. 1-butanol/acetone/glacial acetic acid/water + 1ml Ninhydrin solution Ninhydrin solution: 7g Ninhydrin in 100ml acetone/1-
Migration distance	Each 7 cm
Application volume	2 µL
Chamber	Normal chamber without chamber saturation
Detection	Heat 1-2min at 110°C, Detection white light

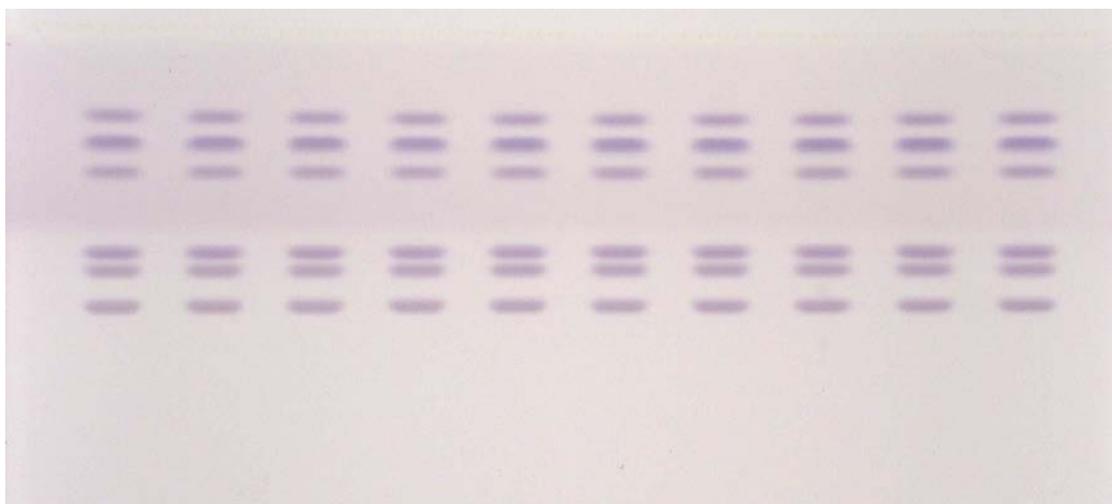


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	R _F	
1 to 10	Amino- acid- mix	L-serine	0,15	water/1-propanol 4/6	26
		L-threonine	0,15	water/1-propanol 4/6	34
		L-alanine	0,1	water/1-propanol 4/6	38
		L-methionine	0,15	water/1-propanol 4/6	58
		L-phenylalanine	0,25	water/1-propanol 4/6	67
		L-leucine	0,10	water/1-propanol 4/6	75

Separation of amino acids on Cellulose

Plate	HPTLC Cellulose 20x10cm (P/N 1. 05786, alt P/N 1. 05787)
Mobile phase (v/v)	1. 1-butanol/acetone/glacial acetic acid/water 2. 1-butanol/acetone/glacial acetic acid/water + 1ml Ninhydrin solution Ninhydrin solution: 7g Ninhydrin in 100ml acetone/1-
Migration distance	Each 7 cm
Application volume	2 μ L
Chamber	Normal chamber without chamber saturation
Detection	heat 1-2min at 110°C, Detection white light

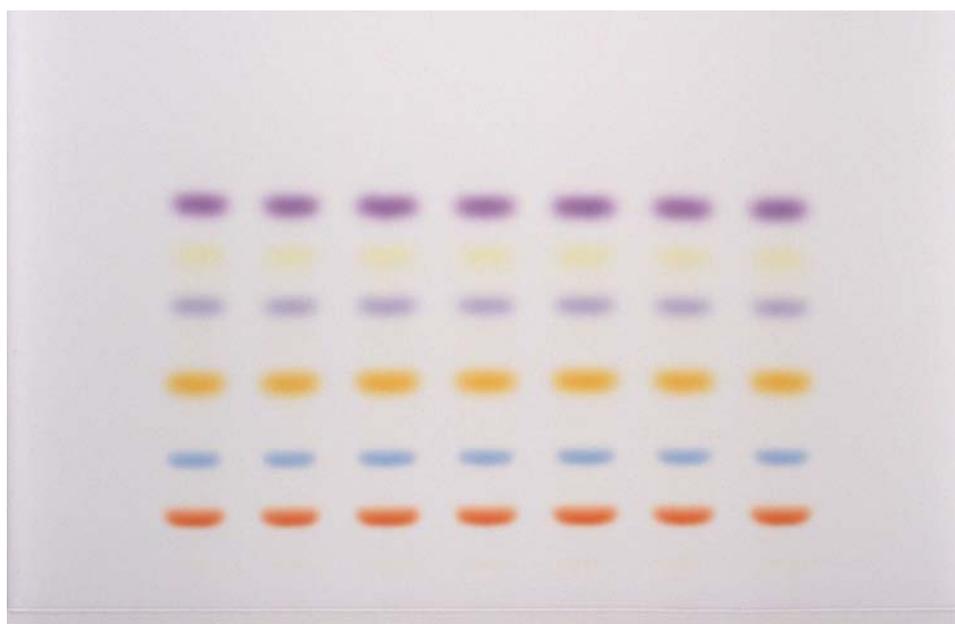


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	hRf	
1 to 10	Amino-acid mix	L-Serin	0,15	water/1-propanol 4/6	31
		L-Threonin	0,15	water/1-propanol 4/6	40
		L-Alanin	0,1	water/1-propanol 4/6	45
		L-Methionin	0,15	water/1-propanol 4/6	65
		L-Phenylalanin	0,25	water/1-propanol 4/6	72
		L-Leucin	0,10	water/1-propanol 4/6	78

Separation of lipophilic dye mixture

Plate	TLC Silica gel 60 F254 with concentrating zone (P/N 1. 11798, alt P/N 1. 11846)
Mobile phase (v/v)	Toluene
Migration distance	10 cm
Application volume	2 μ L
Chamber	Normal chamber without chamber saturation
Detection	Detection white light

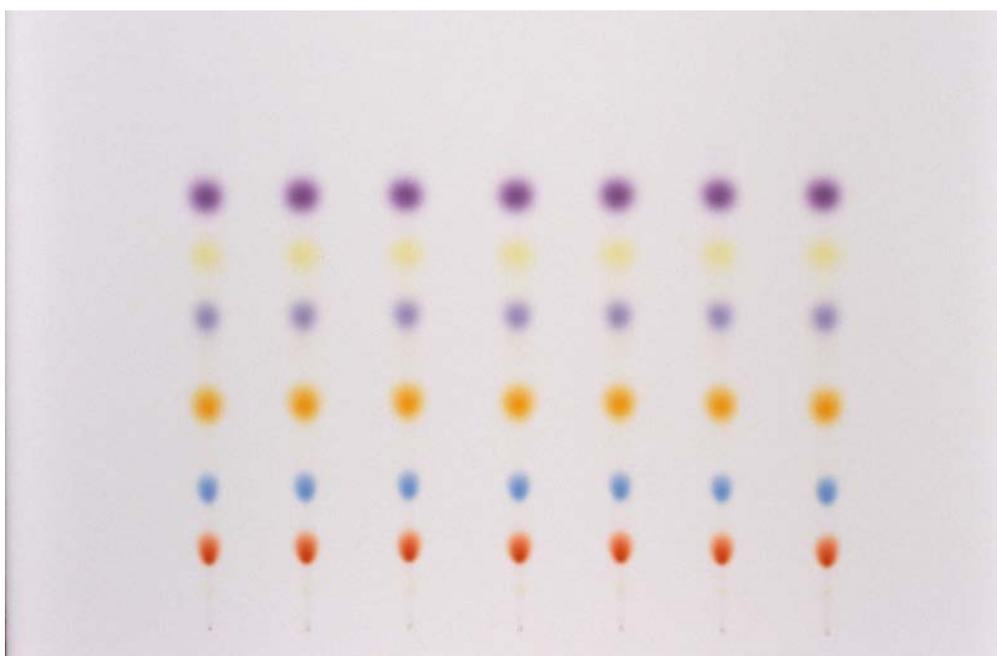


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent
1 to 7	p-Methoxyazobenzol (52)	3,0	toluene
	Sudan II (79)	3,0	toluene
	Sudanviolett (89)	3,0	toluene
	Ceresviolett BRN (55)	1,0	toluene

Separation of lipophilic dye mixture

Plate	TLC Silica gel 60 F254, 20x20cm (P/N 1. 05715, alt P/N 1. 05729)
Mobile phase (v/v)	Toluene
Migration distance	10 cm
Application volume	2 μ L
Chamber	Normal chamber without chamber saturation
Detection	Detection white light

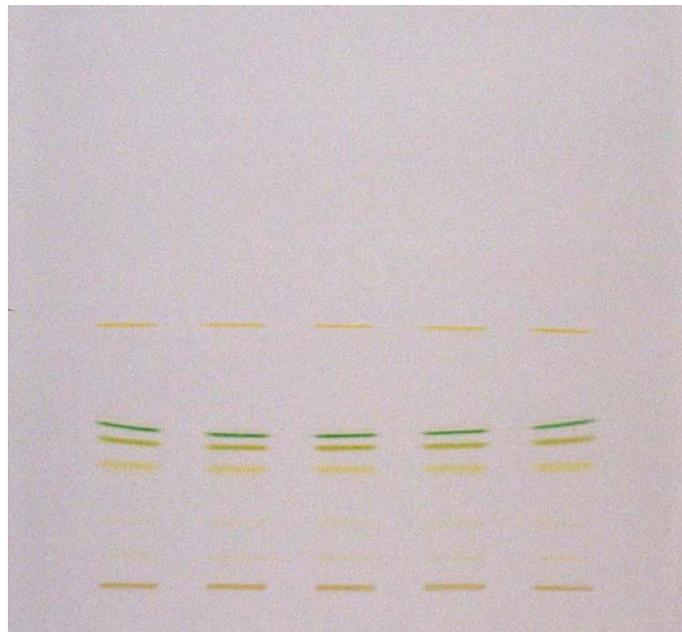


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent
1 to 7	p-Methoxyazobenzol (52)	3,0	toluene
	Sudan II (79)	3,0	toluene
	Sudanviolett (89)	3,0	toluene
	Ceresviolett BRN (55)	1,0	toluene

Separation of plant pigments

Plate	HPTLC Silica gel 60 F254, 10x10cm (P/N 1. 05628, alt P/N 1. 05642)
Mobile phase (v/v)	100ml petroleum ethe / 11ml isopropanol / 5 drops
Migration distance	5 cm
Application volume	2 μ L
Sample preparation	Milling leafs in a mortar with acetone
Chamber	Normal chamber without chamber saturation
Detection	Detection white light

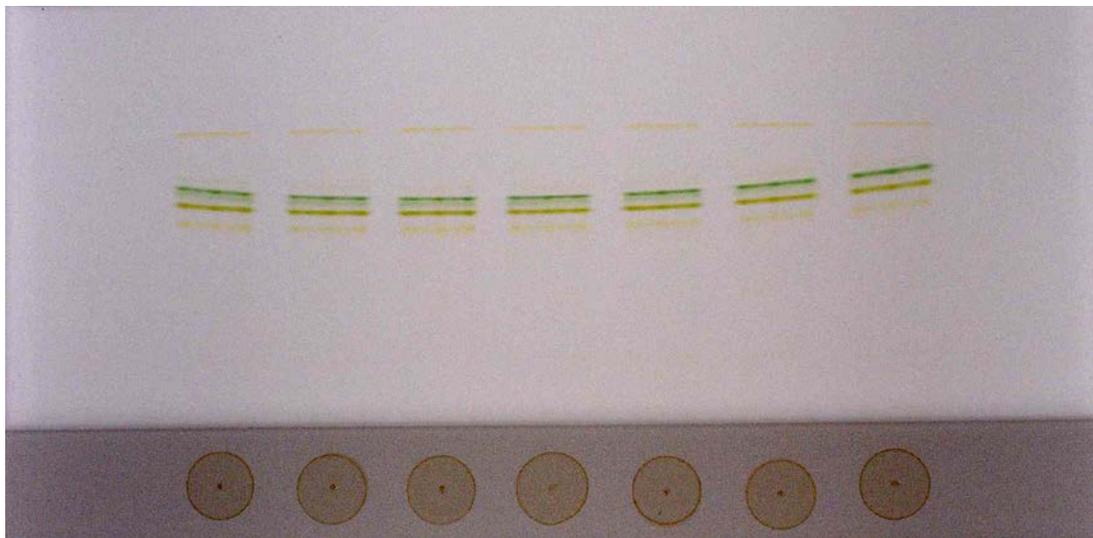


Chromatographic data

No.	Compounds	Solvent
1 to 5	leafs	acetone
	carotenes	
	pheophytin	
	chlorophyll a	
	chlorophyll b	
	lutein	
	violaxanthin	
	neoxanthin	

Separation of plant pigments

Plate	HPTLC Silica gel 60 with concentrating zone, 20x10cm (P/N 1. 13749, alt P/N 1. 13748)
Mobile phase (v/v)	100ml petroleum ethe / 11ml isopropanol / 5 drops water
Migration distance	5 cm
Application volume	2 µL
Sample preparation	Milling leafs in a motar with acetone
Chamber	Normal chamber without chamber saturation
Detection	Detection white light

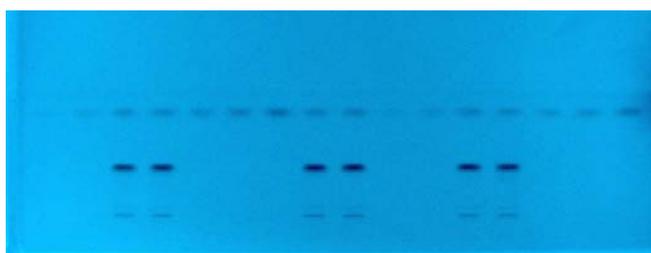


Chromatographic data

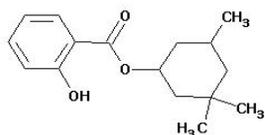
No.	Compounds	Solvent
1 to 5 leafs	carotenes pheophytin chlorophyll a chlorophyll b lutein violaxanthin neoxanthin	acetone

Separation of UV-Filter

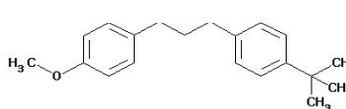
Plate	HPTLC Silica gel 60 F254s 20x10cm (P/N 1. 15696)
Mobile phase (v/v)	n-heptane/tetrahydrofuran (4/1)
Migration distance	50 mm
Application volume	1 μ L
Chamber	Normal chamber without chamber saturation
Detection	Detection UV @ 254nm



Eusolex® HMS



Eusolex® 9020

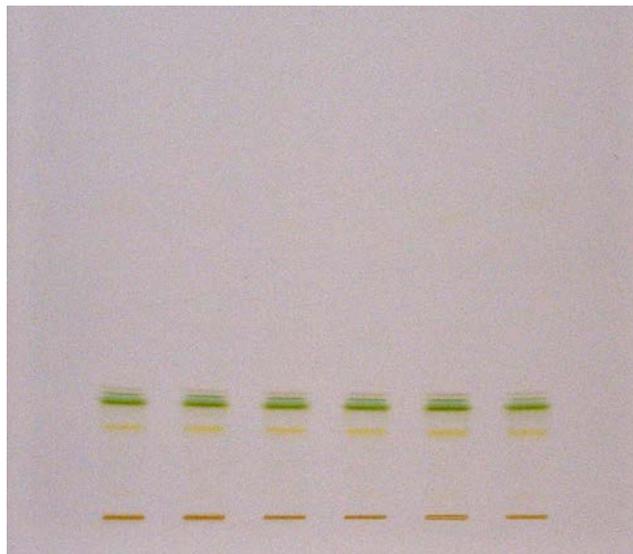


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	hRf
1 and 10	Eusolex® HMS	0,4	ethanol	84
2 and 11	Eusolex® HMS	1,0	ethanol	84
3 and 4	Eusolex® HMS, Eusolex 9020, Oxyxyn ST and Ronacare AP sample 1	-	ethanol	-
5 and 14	Eusolex® HMS	1,5	ethanol	84
6 and 15	Eusolex® HMS	2,0	ethanol	84
7 and 16	Eusolex® HMS	3,0	ethanol	84
8 and 9	Eusolex® HMS, Eusolex 9020, Oxyxyn ST and Ronacare AP sample 1	-	ethanol	-
12 and 13	Eusolex® HMS, Eusolex 9020, Oxyxyn ST and Ronacare AP sample 1	-	ethanol	-

Separation of plant pigments on Silica gel 60

Plate	HPTLC Silica gel 60 F254, 10x10cm (P/N 1. 05628, alt P/N 1. 05642)
Mobile phase (v/v)	n-heptane/1-propanol (9/1)
Migration distance	5 cm
Application volume	5 µL
Sample preparation	Milling leafs in a mortar with acetone
Chamber	Normal chamber without chamber saturation
Detection	Detection white light

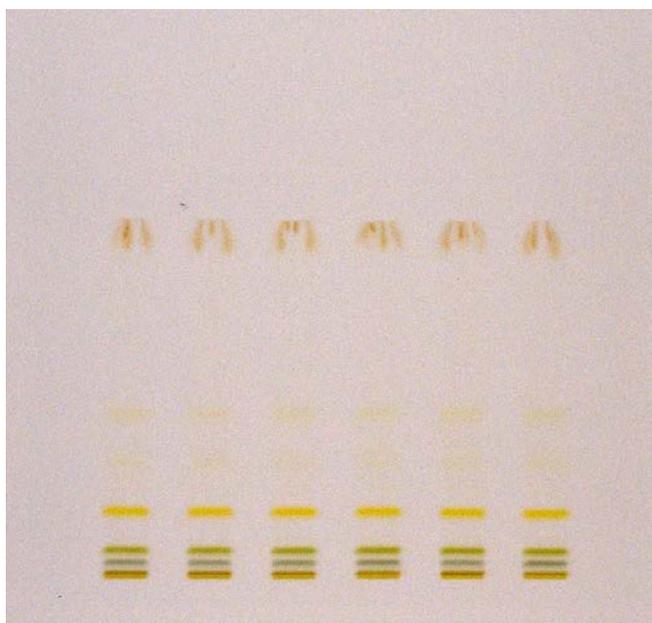


Chromatographic data

No.	Compounds	Solvent
1 to 6	leafs	acetone
	carotenes	
	pheophytin	
	chlorophyll a	
	chlorophyll b	
	lutein	
	violaxanthin	
	neoxanthin	

Separation of plant pigments

Plate	HPTLC Silica gel 60 RP-18 F254s, 10x10cm (P/N 1. 13724, alt P/N 1. 16225)
Mobile phase (v/v)	Methanol/acetone/water (6/6/1)
Migration distance	5 cm
Application volume	5 μ L
Sample preparation	Millig leaves in a mortar with acetone
Chamber	Normal chamber without chamber saturation
Detection	Detection white light

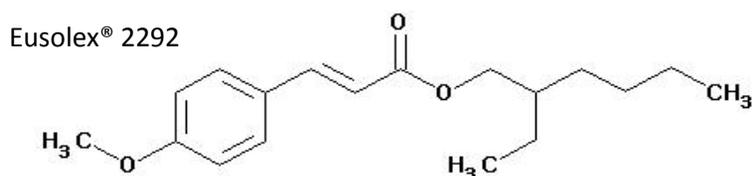
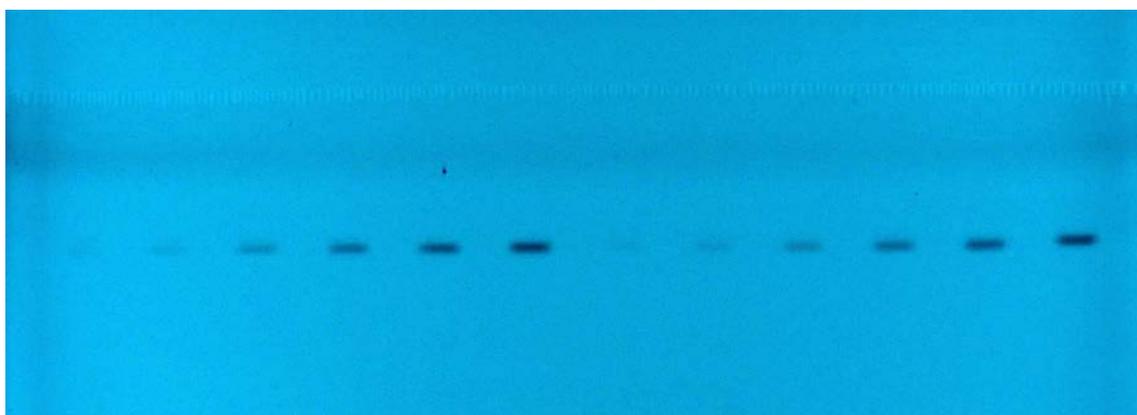


Chromatographic data

No.	Compounds	Solvent
1 to 6	leafs	acetone
	carotenes	
	pheophytin	
	chlorophyll a	
	chlorophyll b	
	lutein	
	violaxanthin	
	neoxanthin	

Separation of UV-Filter

Plate	HPTLC Silica gel 60 RP-18 F254s 20x10 cm (P/N 1. 16225, alt P/N 1. 13724)
Mobile phase (v/v)	Methanol/ACN (90/10)
Migration distance	50 mm
Chamber	Normal chamber without chamber saturation
Detection	Detection UV @ 254nm

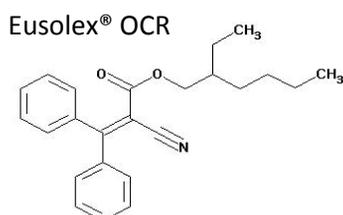
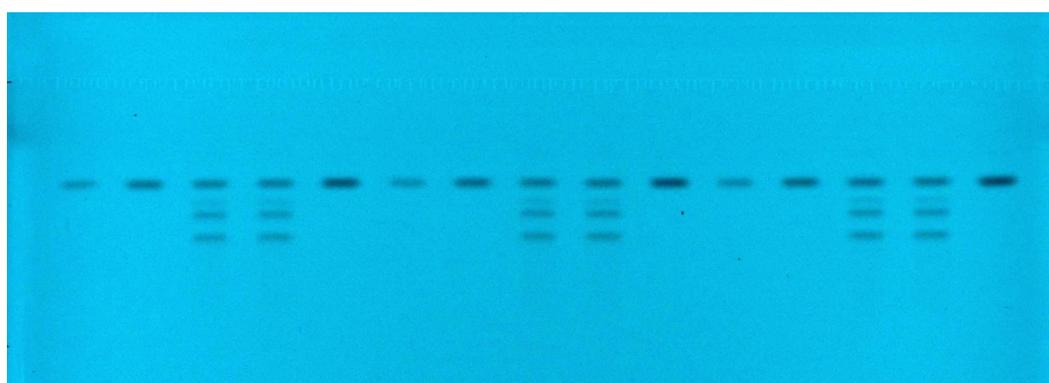
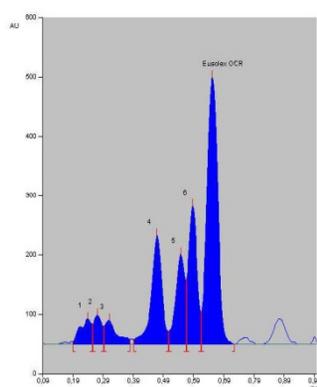


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	hRf	Application volume µl
1 and 10	Eusolex® 2292	2,0	methanol	46	0,1
2 and 11	Eusolex® 2292	2,0	methanol	46	0,2
3 and 4	Eusolex® 2292	2,0	methanol	46	0,5
5 and 14	Eusolex® 2292	2,0	methanol	46	1,0
6 and 15	Eusolex® 2292	2,0	methanol	46	1,5
7 and 16	Eusolex® 2292	2,0	methanol	46	2,0

Separation of UV-Filter

Plate	HPTLC Silica gel 60 RP-18 F254s 20x10 cm (P/N 1. 16225, alt P/N 1. 13724)
Mobile phase (v/v)	Methanol/ACN (90/10)
Application volume	1,5 µl
Migration distance	50 mm
Chamber	Normal chamber without chamber saturation
Detection	Detection UV @ 254nm

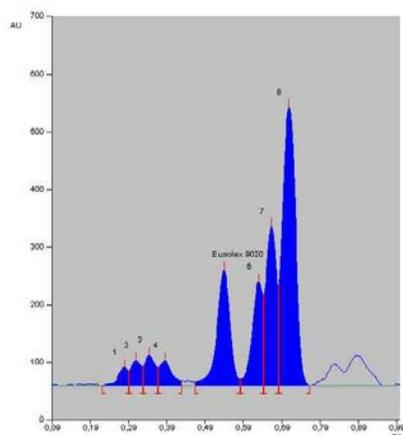


Chromatographic data

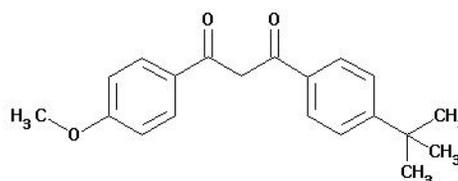
No.	Compounds	Concentration (mg/ml)	Solvent	hRf
1, 6 and 11	Eusolex® OCR	0,2	ethanol	65
2, 7 and 12	Eusolex® OCR	0,5	ethanol	65
5, 10 and 15	Eusolex® OCR	0,8	ethanol	65
3, 4 and 8	Eusolex® OCR, Eusolex® 9020, Oxynex ST, Ronacare AP, Finsolv TN	-	acetonitril	-
9, 13 and 14	Eusolex® OCR, Eusolex® 9020, Oxynex ST, Ronacare AP, Finsolv TN	-	ethanol	-

Separation of UV-Filter

Plate	HPTLC Silica gel 60 RP-18 F254s 20x10 cm (P/N 1. 16225, alt P/N 1. 13724)
Mobile phase (v/v)	Methanol
Application volume	1,5 µl
Migration distance	50 mm
Chamber	Normal chamber without chamber saturation
Detection	Detection UV @ 254nm



Eusolex® OCR

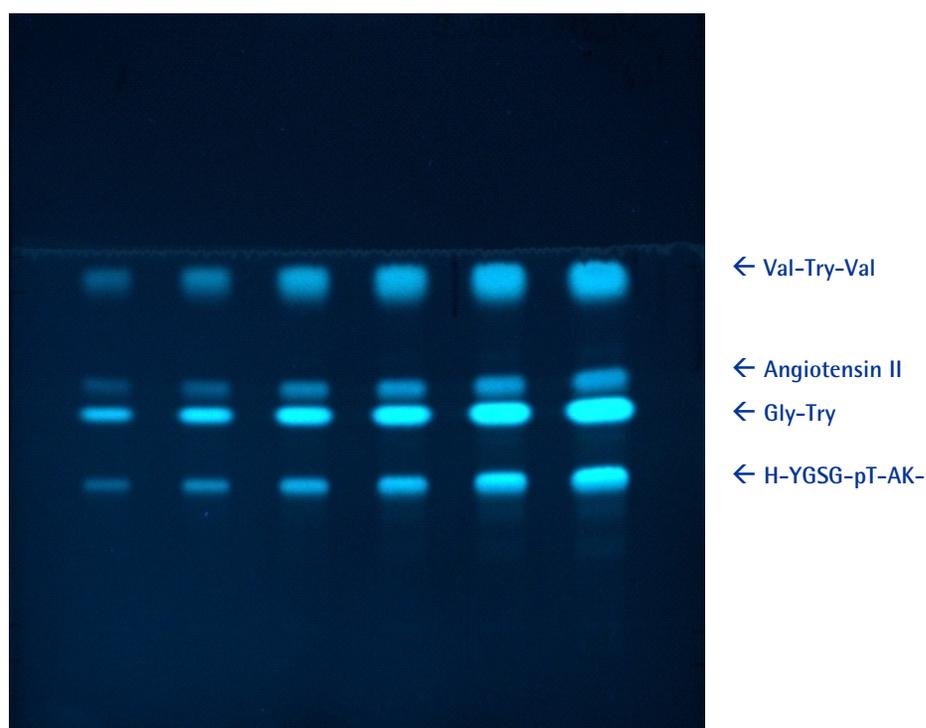


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	hRf
1, 6 and 11	Eusolex® 9020	0,2	ethanol	54
2, 7 and 12	Eusolex® 9020	0,5	ethanol	54
5, 10 and 15	Eusolex® 9020	0,8	ethanol	54
3, 4 and 8	Eusolex® OCR, Eusolex® 9020, Oxyhex ST, Ronacare AP, Finsolv TN	-	acetonitril	-
9, 13 and 14	Eusolex® OCR, Eusolex® 9020, Oxyhex ST, Ronacare AP, Finsolv TN	-	ethanol	-

Separation of peptides on HPTLC Cellulose

Plate	ProteoChrom® HPTLC Cellulose (P/N 1. 05651)
Mobile phase (v/v)	2-butanol/pyridin/acetic acid/water (15/10/3/12)
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Detection	0,02% Fluorescamin solution in acetone spray 20s and dry 10min at roomtemperature Detection UV @ 366nm

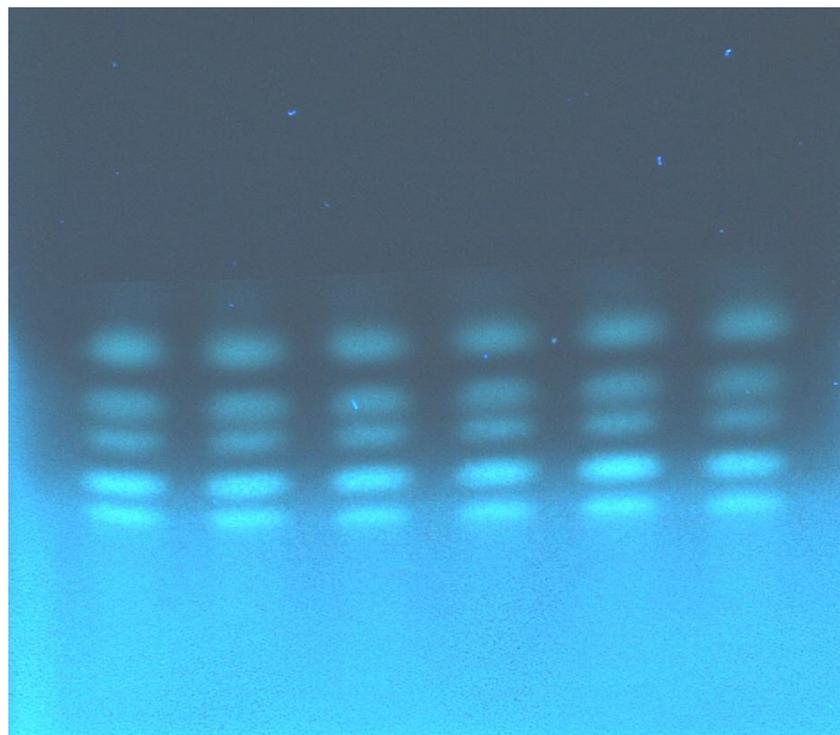


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	Application volume μ l
1 to 6	peptide mix			
	H-YGSG-pT-AK-NH ₂	1,0	water/ACN 85/15	0,1
	Gly-Try	1,0		0,5
	Val-Try-Val	1,0		1,0
	angiotensin II	1,2		3,0
				5,0
				7,0

Separation of peptides

Plate	HPTLC Silica gel 60 RP-8 F254s (P/N 1. 13725)
Mobile phase (v/v)	methanol/water (65/35) + 0,1mol/l ammonium
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Detection	0,02% Fluorescamin solution in acetone spray 20s and dry 10min at roomtemperature Detection UV @ 366nm



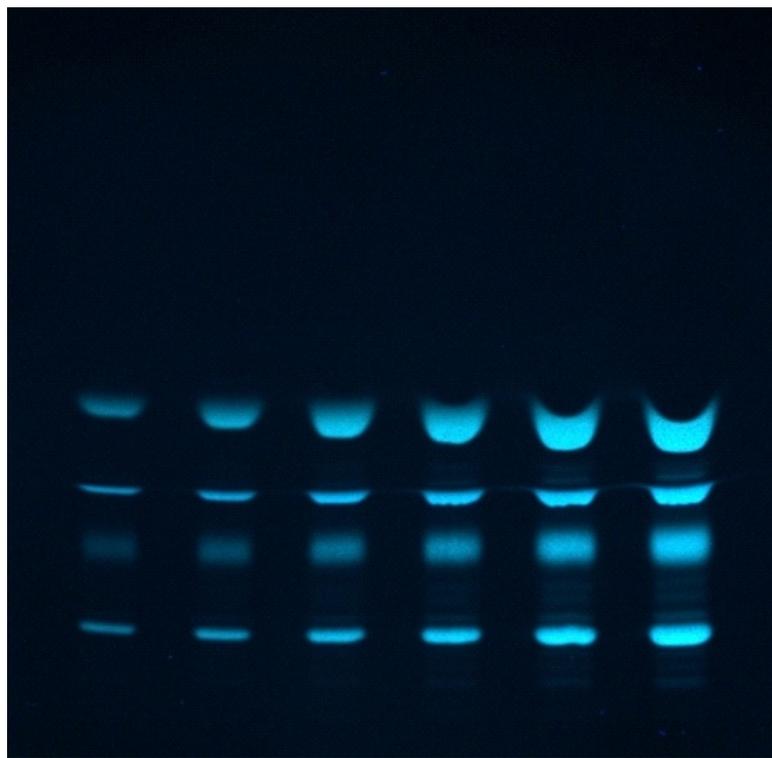
← Gly-Tyr
 ← Val-Tyr-Val
 ← Methionine enkephalin
 ← Leucine enkephalin
 ← H-YGSG-pT-AK-NH3

Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent
1 to 6	peptide mix		
	H-YGSG-pT-AK-NH2	0,9	water/ACN 85/15
	leucine enkephalin	1,0	
	methionine enkephalin	1,0	
	Val-Try-Val	1,5	
	Gly-Try	1,2	

Separation of peptides

Plate	ProteoChrom® HPTLC Silica gel 60 F254s (P/N 1. 05650)
Mobile phase (v/v)	2-butanol/pyridin/ammonia25%/water (39/34/10/26)
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Detection	0,02% Fluorescamin solution in acetone spray 20s and dry 10min at room temperature Detection UV @ 366nm



← Val-Try-Val

← Angiotensin II

← H-YGSGTAK-NH2

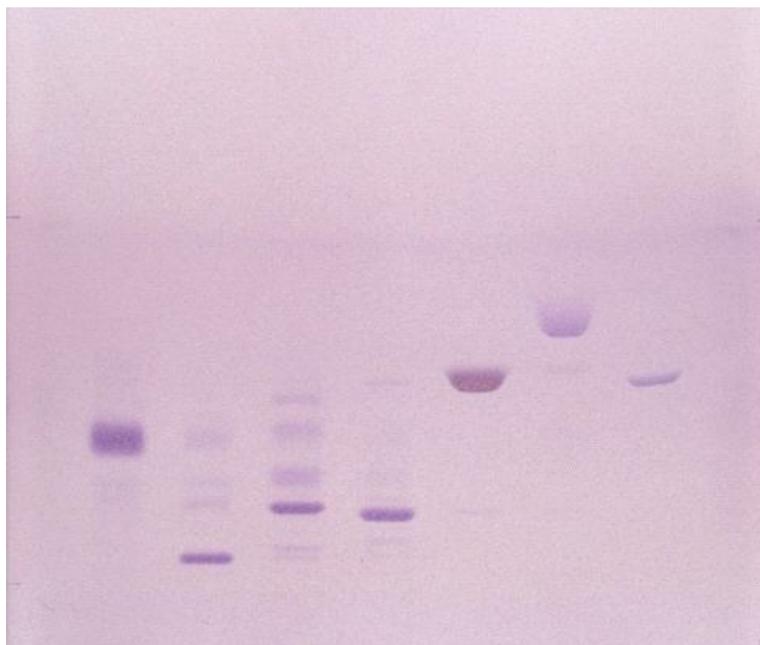
← H-YGSG-pT-AK-NH2

Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	Application volume μ l
1	H-YGSG-pT-AK-NH2	1,0	water/ACN 85/15	0,5
to	H-YGSGTAK-NH2	1,0		1,0
6	angiotensin II	1,6		2,0
peptide mix	Val-Try-Val	1,0		3,0
				5,0
				7,0

Separation of peptides

Plate	ProteoChrom® HPTLC Silica gel 60 F254s (P/N 1. 05650)
Mobile phase (v/v)	2-butanol/pyridin/ammonia25%/water (39/34/10/26)
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Detection	0,5% Ninhydrin spray 20s and heat 1-2min at 110°C Detection white light

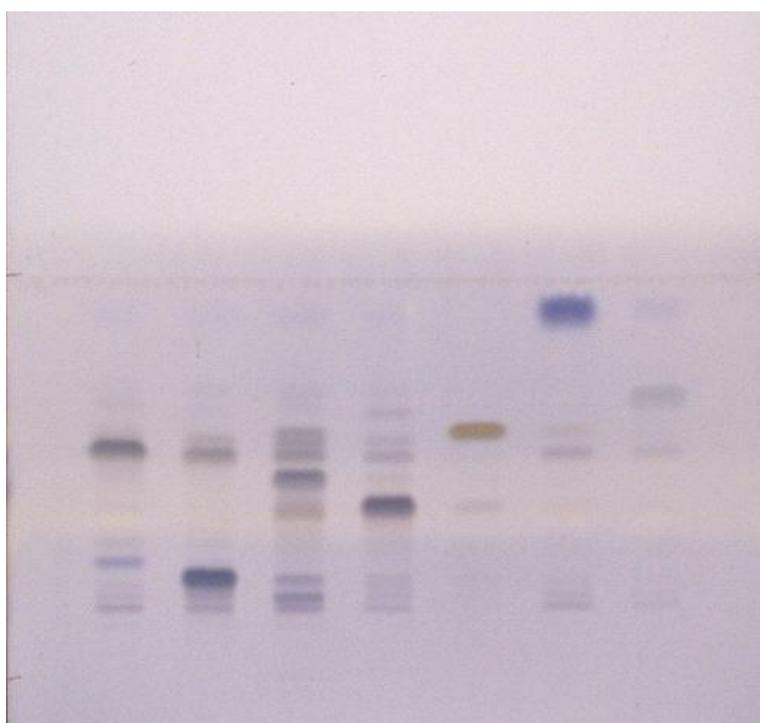


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	Application volume µl
1	H-YGSGTAK-NH2	1,0	water/ACN 85/15	7,0
2	H-pY-GSGTAK-NH2	1,0		7,0
3	H-YG-ps-GTAK-NH2	1,0		7,0
4	H-YGSG-pT-AK-NH2	1,0		7,0
5	Gly-Try	1,0		7,0
6	Val-Try-Val	1,0		7,0
7	angiotensin II	1,0		7,0

Separation of peptides on HPTLC Cellulose

Plate	ProteoChrom® HPTLC Cellulose (P/N 1. 05651)
Mobile phase (v/v)	2-butanol/pyridin/acetic acid/water (30/20/6/24)
Migration distance	5 cm
Chamber	Normal chamber without chamber saturation
Detection	ProteoChrom® Color Peptide Staining Kit 1. spray ProteoChrom® Color Reagent and dry 5min at room temperature. 2. spray Ninhydrin and heat 1-2min at 110°C

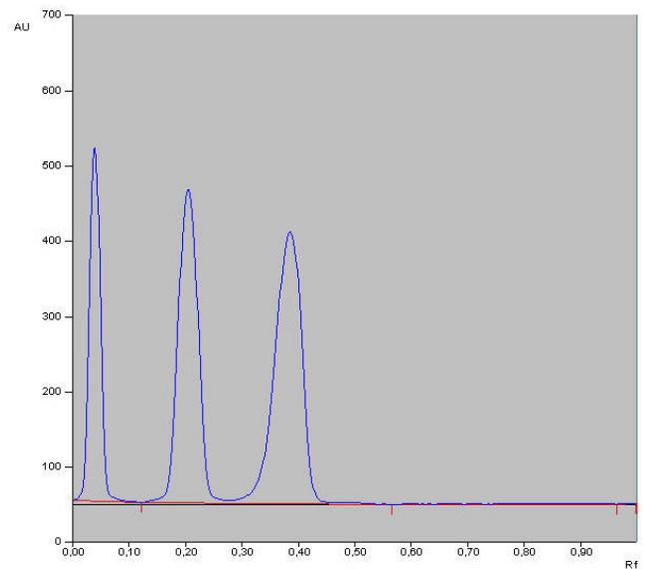
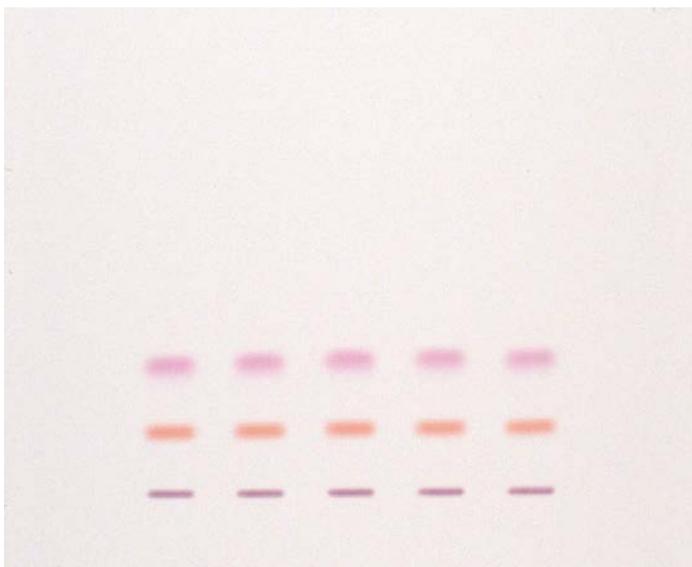


Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	Application volume µl
1	H-YGSGTAK-NH ₂	1,0	water/ACN 85/15	7,0
2	H-pY-GSGTAK-NH ₂	1,0		7,0
3	H-YG-ps-GTAK-NH ₂	1,0		7,0
4	H-YGSG-pT-AK-NH ₂	1,0		7,0
5	Gly-Try	1,0		7,0
6	Val-Try-Val	1,0		7,0
7	angiotensin II	1,0		7,0

Separation of lipophilic dye mixture

Plate	HPTLC Silica gel 60 RP-18 F254s, 10x10cm (P/N 1. 13724, Alt P/N 1. 16225)
Mobile phase (v/v)	Acetonitrile/water(9/1)
Migration distance	5 cm
Application volume	500 nl
Chamber	Normal chamber without chamber saturation
Detection	Detection white light



Chromatographic data

No.	Compounds	Concentration (mg/ml)	Solvent	hRf
1 to 7	Fettrot 7B ()	1,0	acetone	4
	Ceresrot G ()	1,0	acetone	21
	Methylrot ()	0,2	acetone	40

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