

IVD in vitro diagnosticum - For professional use only



SABOURAUD-2 % Dextrose Agar

SABOURAUD-2 % glucose agar

Cat. No. 1.07315.0500/5000
(500 g/5 kg)

Merckoplate® SABOURAUD-2 % glucose agar

Cat. No. 1.10413.0001
(20 plates)

The medium was recommended by JANKE (1961) for the cultivation of dermatophytes. GEORG et al. (1954) recommended the addition of cycloheximide, penicillin and streptomycin for the inhibition of non-pathogenic accompanying bacteria.

See also General Instruction of Use

Warnings and precautions see www.merck-chemicals.com

Principle

Microbiological method

Typical Composition (g/litre)

Petone 10.0; D(+)-glucose or maltose 20.0; agar-agar 17.0.

Preparation and Storage

Cat. No. 1.07315. SABOURAUD-2 % Dextrose Agar (500 g/5 kg)

Usable up to the expiry date when stored dry and tightly closed at +15 to +25° C. Protect from light.

After first opening of the bottle the content can be used up to the expiry date when stored dry and tightly closed at +15 to +25° C.

Suspend 47 g/litre, autoclave (15 min at 121 °C). ■ **Do not overheat.**

pH: 5.6 ± 0.2 at 25 °C.

The plates are clear and yellowish-brown.

Cat. No. 1.10413.0001 Merckoplate® SABOURAUD-2 % Dextrose Agar (20 plates, 20 ml each)

Ready-to-use

Usable up to the expiry date when stored at +12 to +15° C.

The plates are clear and yellowish-brown.

Specimen

e.g. Skin, nails, sputum, exdates, open lesions.

Clinical specimen collection, handling and processing , see general instructions of use.

Experimental Procedure and Evaluation

The plates are inoculated with sample material according to the instructions. The fungi colonies which have grown are judged macro- and microscopically.

Incubation for up to 7 days at 28 °C aerobically.

For preparation of version acc. to EMMONS adjust pH to 6.9 ± 0.2. Chloramphenicol (50 mg/l) may be added in addition.

Quality control

Test strains	Growth
Trichophyton mentagrophytes ATCC 18748	good / very good
Trichophyton rubrum ATCC 28188	fair / good
Microsporium gallinae ATCC 12108	good / very good
Trichophyton ajelloi ATCC 28454	fair / very good

Microsporium canis ATCC36299	good / very good
Geotrichum candidum DSM 1240	good / very good
Candida albicans ATCC 10231	good / very good
Aspergillus brasiliensis (formerly A.niger) ATCC 16404	good / very good
Penicillium commune ATCC 10428	good / very good



Additives

Merck Cat.No.	Product	Pack Size
CN Biosciences	Penicillin G potassium salt	
CN Biosciences	Streptomycin sulfate	

Literature

GEORG, L.K., AJELLO, L., a. PAPAGEORGE, C.: Use of cycloheximide in the selective isolation of fungi pathogenic to man. - **J. Lab. Clin. Med.**, **44**; 422-428 (1954).
 JANKE, D.: Pilznährboden nach SABOURAUD, modifiziert MERCK, ein neuer Trockennährboden zur Züchtung von Dermatophyten. - **Zschr. Haut- u. Geschl.-Krankh.**, **15**; 188-193 (1961).

