

Fluorescence yellow-green

## Application notes

pH value should be 9.0 to 9.5 within the labeling.  
Protein content should be 10 - 40 mg proteins (1 - 4 %).  
Used FITC volume is dependent on the fluorochrome/ protein ratio  
Reaction time is dependent on the temperature: 30 - 60 min at 25 °C; 12 h at 4 °C.  
Precipitates occurring during the reaction, should be removed by centrifugation (20 min at 2200 g).

## Technical notes

The microscope used should meet the requirements of a medical diagnostic laboratory.

## Diagnostics

Diagnoses are to be made only by authorized and trained personnel.  
Valid nomenclatures must be used.  
Further tests must be selected and implemented according to recognized methods.  
Suitable controls should be conducted with each application in order to avoid an incorrect result.

## Storage

Store Fluorescein-5-isothiocyanate (FITC) - for biochemistry and for fluorescence microscopy at +2 °C to +8 °C.

## Shelf-life

Fluorescein-5-isothiocyanate (FITC) - for biochemistry and for fluorescence microscopy can be used until the stated expiry date.  
After first opening of the bottle, the contents can be used up to the stated expiry date when stored at +2 °C to +8 °C.  
The bottles must be kept tightly closed at all times.

## Additional instructions

### For professional use only.

In order to avoid errors, the application must be carried out by qualified personnel only.  
National guidelines for work safety and quality assurance must be followed.  
Microscopes equipped according to the standard must be used.  
If necessary use a standard centrifuge suitable for medical diagnostic laboratory.

## Protection against infection

Effective measures must be taken to protect against infection in line with laboratory guidelines.

## Instructions for disposal

The package must be disposed of in accordance with the current disposal guidelines.  
Used solutions and solutions that are past their shelf-life must be disposed of as special waste in accordance with local guidelines. Information on disposal can be obtained under the Quick Link "Hints for Disposal of Microscopy Products" at [www.microscopy-products.com](http://www.microscopy-products.com). Within the EU the currently applicable REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 applies.

## Auxiliary reagents

Cat. No.	106345	Sodium dihydrogen phosphate dihydrate suitable for use as excipient EMPROVE® exp Ph Eur,BP,USP,JPE,E 339	1 kg, 5 kg
Cat. No.	106404	Sodium chloride for analysis EMSURE® ACS,ISO,Reag. Ph Eur	500 g, 1 kg, 5 kg
Cat. No.	106578	tri-Sodium phosphate dodecahydrate for analysis EMSURE® ACS,Reag. pH Eur	1 kg, 5 kg
Cat. No.	106580	di-Sodium hydrogen phosphate dihydrate for analysis EMSURE®	500 g, 1 kg

## Hazard classification

Cat. No. 1.24546.0250  
Please observe the hazard classification printed on the label and the information given in the safety data sheet.  
The safety data sheet is available on the website and on request.

## Main components of the product

Cat. No. 1.24546.0250  
 $C_{21}H_{11}NO_5S$   
M = 389.39 g/mol

## Other IVD products

Cat. No.	124653	4',6-Diamidino-2-phenylindole dihydrochloride (DAPI) for microscopy	100 mg
Cat. No.	124823	Nitro blue tetrazolium chloride (NBT) for microscopy	500 mg

## Literature

1. Routine Cytological Staining Techniques: Theoretical Background and Practice, Mathilde E. Boon, Johanna S. Drijver, 1986, Elsevier Science Publishing Company
2. Conn's Biological Stains: A Handbook of Dyes, Stains and Fluorochromes for Use in Biology and Medicine, 10th Edition, (ed. Horobin, R.W. and Kiernan, J.A). Bios, 2002



Consult instructions for use



Manufacturer



Catalog number



Batch code



Caution, consult accompanying documents



Use by YYYY-MM-DD



Temperature limitation

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