

## Eosin-Phloxine alcoholic solution cytoplasmic staining

**IVD** In-vitro diagnostic medical device **CE**

**CND Code: W01030708**

Catalog number	Unit size
05-B10020	150 ml
05-M10020	500 ml
05-10020/L	1 l

**Packaging**

- 05-B10020  
Primary container: white bottle in High Density Polyethylene (HDPE). Useful capacity 150 ml. HDPE cap. Tamper evident cap.

- 05-M10020  
Primary container: white bottle in High Density Polyethylene (HDPE). Useful capacity 500 ml. HDPE cap. Tamper evident cap.

- 05-10020/L  
Primary container: white bottle in High Density Polyethylene (HDPE). Useful capacity 1 l. HDPE cap. Tamper evident cap.

Wear, water, alcohol and solvents resistant PVC label. Scratchproof ink resistant to water and alcohol.

**Expected aim** Product for the preparation of cyto-histological samples for optical microscopy.

**Application** Reagent for cytoplasm staining.

**Principle** The Eosin is an acidic dye that interacts with the cytoplasmic proteins rich in basic amino acids to form a red-pink bright colored complex. The cytoplasmic staining Eosin, in combination with the nuclear staining Hematoxylin, is the most used method in the histopathological routine.

**Method**

1) Sections to water	
2) Mayer's Hemalum	5 minutes
3) Tap water (or Scott's water for 1 minute)	5 minutes
4) Washing in distilled water	
5) Ethanol 80%	1 minute
(optional step to preserve the alcoholic content of the solution of Eosin-Phloxine)	
6) Eosin-Phloxine alcoholic solution	2-3 minutes
7) Ethanol 95 % x 2	1 minute
8) Ethanol 95%	1 minute
9) Absolute ethanol	2 minutes
10) Absolute ethanol	2 minutes
11) Clearing agent and mount	

**Results** Nuclei ..... purple  
Cytoplasm ..... pink-red

**Components**

Components	CAS	CE	Index
Certified Eosin y	17372- 87-1	2414096	-
Phloxine	18472-87-2	2423556	-
Ethanol	64-17-5	2005786	603-002-00-5

**Warning and precaution**

The product must be used exclusively by specialized technical operators.

Carefully read the information on the classification of dangerous substances on the label. Always refer to the safety data sheet where are available the information on the risks presented by the mixture, the precautionary measures during use, the measures first aid and the intervention in the event of accidental release.

Do not use if the primary container is damaged.

**Storage**

Store the preparation at 15 - 30°C. Keep the containers tightly closed.

**Stability**

After the first opening, the product is usable until the expiry date, if correctly stored. Product validity: 2 years.

**Disposal**

Hazardous preparation: observe all state and local environmental regulations regarding waste disposal.

**References**

- Staining Procedures, fourth edition. Edited by G. Clark. Williams & Wilkins. 1981 Baltimore
- H. J. Conn's. Biological stains. Edited by R. D. Lillie, M.D..

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