



Eosin Y plus alcoholic solution

Cytoplasmic staining



In-vitro diagnostic medical device

BASIC UDI: 080339762W01030708X8

IVD in **Classe A**, Reg. UE 2017/746

Catalog number	Unit size	UDI-DI
05-11007/L	1 l	08033976232603

Packaging 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, excellent for extemporary staining.

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

Method **Hematoxylin-eosin (for routine staining)**

- 1) Sections to water
- 2) Mayer's hemalum, 5 minutes
- 3) Tap water (or Scott's water for 1 minutes), 5 minutes
- 4) Eosin y plus alcoholic solution, 1 minutes
- 5) Ethanol 95%, 30 seconds
- 6) Absolute ethanol, 30 seconds
- 7) Absolute ethanol, 30 seconds
- 8) Clearing agent and mount

Hematoxylin-eosin (for extemporary staining)

- 1) Harris' hematoxylin (or Gill 3), 10 dips
- 2) Scott's water, 10 dips
- 3) Eosin y plus alcoholic solution, 10 dips
- 4) Absolute ethanol, 10 dips (for 3 times)
- 5) Clearing agent and mount

NOTE

To make more intense staining is recommended to add a drop of acetic acid in 50 ml of solution of eosin.

Results Nuclei : purple
Cytoplasm : pink-red

Components	Components	CAS	CE	Index
	Purified Eosin y	17372- 87-1	2414096	-
	Ethanol	64-17-5	2005786	603-002-00-5

Warning and precaution The product is intended for professional laboratory use for healthcare professionals. Carefully read the information on the label (danger symbols, risk and safety phrases) and always consult the safety data sheet. Do not use if the primary container is damaged. In the event of a serious accident, we recommended that you immediately inform Bio-Optica Milano S.p.A and the competent authorities.

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

Stability After the first opening, the product is reusable until the expiry date, if correctly stored. Validity: 2 years.

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

References

REVISION N°	REASON	REVISION DATE
001	Regulation adjustment UE 2017/746 - IVDR	16/05/2022