

Papanicolaou EA31 cytoplasmic staining

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

CND Code: W01030708

Catalog number	Unit size
05-12015	500 ml

Packaging Primary container: white bottle in High Density Polyethylene (HDPE). Useful capacity 500 ml. 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: gynecological specimens, urine cytology, fine needle specimens, sputum and bronchial washings, to be examined by optical microscopy.

Application Cytoplasmic staining solution for Papanicolaou method.
For the execution of the staining method is required the use of reagents Papanicolaou Harris hematoxylin and Papanicolaou OG6.

Principle A highly selective blue nuclear stain, Harris' hematoxylin, is combined with EA31 polychromic mixture, a subtle cytoplasmic stain which differentiates cyanophil cells from eosinophil ones. The last ingredient is OG6 solution, which stains keratinized elements.

Method		
1)	Ethanol 95°	2 minutes
2)	Distilled water	2 minutes
3)	Harris Hematoxylin	1 minute
4)	Tap water	5 minutes
5)	Ethanol 95°	15 seconds
6)	OG 6	2 minutes
7)	Ethanol 95°	15 seconds
8)	Ethanol 95°	15 seconds
9)	EA 31	5 minutes
10)	Ethanol 95°	15 seconds
11)	Absolute Ethanol (twice)	30 seconds
12)	Xilene or Bio Clear (twice)	2 minutes

Results Nuclei lue-violet
Cyanophilous cytoplasm Deep-green
Eosinophil cytoplasm Pink
Cytoplasm keratinized From pink to orange

Components

Components	CAS	CE	Index
Ethanol	64-17-5	200-578-6	603-002-00-5
Eosin Y Certified CI 45380	17372-87-1	241-409-6	-
Light green CI 42095	5141-20-8	225-906-5	-
Phosphotungstic acid	51312-42-6	-	-
Acetic acid	64-19-7	2005807	607-002-00-6
deionized water			

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. Validity. 2 years.
Disposal	Hazardous preparation: observe all state and local environmental regulations regarding waste disposal.
References	<ul style="list-style-type: none">• Gill, G.W.: Bismarck brown and Papanicolaou EA stains. The Scanner. 14(3) : 2, 1975.• Pharr, S. L., Wood, D.A. and Traut, H.F.: A simplified method of preparing EA and orange G stains. Am. J. Clin. Path. 24:239-242, 1954.

Date of issue: November 2013