

Paraldehyde fuchsine Gomori technical information

Technical card code 14-110

Product code 14-110

Pack 1kit. Number of tests 100 or on request

Stability of product properly conserved at 15-20°C 24 months

CND code W01030799

Made in Italy by

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For emergency contact your nearest anti-poison unit.

Application

For demonstration elastic fibers, beta cells of pancreas, mast cells granules, mucin, argentaffin granules and acrosomes of spermatozoa.

Method

- 1) Bring sections to distilled water.
- 2) Put on the section 5 drops of reagent A and 5 drops of reagent B, leave for 10 minutes.
- 3) Rinse in distilled water.
- 4) Put on the section 10 drops of reagent C, leave for 5 minutes.
- 5) Rinse in distilled water.
- 6) Put on the section 10 drops of reagent D: leave for 5 minutes.
- 7) Without washing, drip the slide and insert it in the dump box, put on the section 10 drops of reagent E let him act 20 minutes.
- 8) Drip the slide and put on the section 10 drops of reagent F, for 10 minutes.
- 9) Rinse in distilled water.
- 10) Stain the section with 10 drops of reagent G, 10 minutes.
- 11) Rinse in distilled water.
- 12) Counter stain section with 10 drops of reagent H, 5 minutes.
- 13) Rinse in distilled water.
- 14) Dehydrate in alcohol 95, absolute alcohol.
- 15) Xylene.
- 16) Mount with DdMount.

Results

Elastic fibers, Beta cells granules, mast cell granules, mucin, argentaffin cell granules, acrosomes of spermatozoa:

	dark violet
Cells nuclei:	red
Background:	green

Reagents

A - Potassium permanganate solution	30 ml
B - Sulphuric acid solution	30 ml
C - Oxalic acid solution	30 ml
D - Ethanol 70° solution	30 ml
E - Gomori paraldehyde fuchsine	30 ml
F - Ethanol 70° solution	30 ml
G - Mayer carmallum	30 ml
H - Light green Goldner	30 ml

Bibliografia

Elfman, H.: Aldehyde-Fuchsin for Pituitary Cytochemistry, Histochem. and Cytochem. 7: 98-100; 1959. Gomori, G.: Aldehyde-Fuchsin: A New Stain for Elastic Tissue, Am. J. Clin. Path., 20: 665-666; 1950. Halmi, N. S. e Davies, J.:

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* Risk and Safety Statements outside the EU.

The eosin solution in alcohol is flammable and harmful. Harmful by inhalation, in contact with skin or if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with the skin or by ingestion. Irritating to eyes, respiratory system and skin. Keep away from sources of ignition - No smoking. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical attention immediately (show the label where possible). Target organs: eyes and nerves. Eosin in aqueous solution. Caution: substance not yet fully tested. Avoid contact and inhalation of the solution of Harris haematoxylin. Organs: heart and nerves. Solutions based hemallum are harmful. Harmful if swallowed. Irritating to eyes, respiratory system and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. Wear suitable protective clothing. Organs affected: liver and kidneys. In case of accident or if you feel unwell, seek medical attention immediately (show the label where possible).

* Risk and Safety Statements (U.E.)

The eosin solution in alcohol is highly flammable and harmful. Highly flammable. Harmful by inhalation, in contact with skin or if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with the skin or by ingestion. Keep away from sources of ignition - No smoking. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical attention immediately (show the label where possible). Eosin in aqueous solution. Caution: Substance not yet fully tested. Solution of hemallum. Do not breathe vapors. Avoid contact with skin and eyes. Gill haematoxylin Solutions are harmful. Harmful if swallowed. Irritating to eyes, respiratory system and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. Wear suitable protective clothing.

Endnotes

- 1 The timing suggested in the leaflet are approximate and may vary according to your specific needs. If they are used intensively, for staining solutions may lose their dyes, so it is necessary to extend the time of staining solutions, or replace with new products.
2. Include positive control slides in each session.
3. Some hydraulic systems deliver acidic water, unsuitable for use for the part of the procedure for the blue coloration. If tap water is acidic, instead using a dilute alkaline solution, for example, water buffered by Scott.
4. The presence of purple or red-brown nuclei a blue color indicates unsatisfactory.
5. If you over-eosin staining, nuclear staining may be masked. If done correctly, with eosin staining shows a three-tone effect. To increase the differentiation of eosin, extend the time of immersion in alcohol, or use a first alcohol with a higher water content. You can adjust the times of immersion in alcohol to obtain an adequate eosin staining.
6. We do not recommend the addition of stock solution in the working solutions of haematoxylin and eosin.
7. Avoid excessive drag (carryover) of water solutions in alcoholic eosin.
8. The data generated by this procedure are to be used only to support the diagnosis and should be evaluated in conjunction with other tests and diagnostic data

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