

Methyl Green Pyronin

Stain to highlight DNA and RNA

Manufacturer: Diapath S.p.A.

Code	Test	Reagents	Code	Packaging
		Buffer acc. Unna	G067AA	1x30 ml
010230	100	Alcoholic Alcian Blue	G068AA	1x30 ml
		Jenkins Reagents	D001AA	1x30 ml
		Methyl Green Pyronin acc. Lison	C072AA	1x30 ml

Description

The kit supplies reagents for Methyl Green Pyronin staining to highlight DNA and RNA on sections. The Methyl Green Pyronin solution is composed by a mix of two reagents, methyl green and Pyronin. Methyl green purified in solution with acid pH is a stain specific for the double helix structure of DNA, while the pyronin highlights RNA, epithelium acid mucins and cartilage.

Specimen and preparation kind

- Preparation: paraffin section
- Suggested fixative: formalin
- Control: lymph nodes/tonsils
- Storage temperature: +4°/+8°C
- Procedure time: 1 h
- Critical step: incubation time of reagents

Staining Protocol

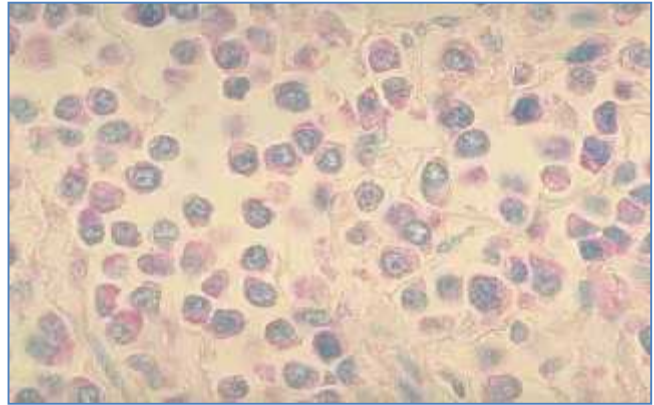
Drain reagents directly on section in a way to cover it completely.
To avoid excessive drying, use an incubator wet box.

1. Deparaffinize and hydrate to distilled water
2. Cover sections with **Buffer acc. Unna** for 10 minutes
3. Drain slide without washing
4. Cover sections with **Alcoholic Alcian blue** for 15 minutes
5. Drain slide without washing
6. Cover sections with **Jenkins reagent** for 3 minutes
7. Wash quickly in running tap water for 10 minutes
8. Cover sections with **Methyl Green Pyronin acc. Lison** for 7 minutes
9. Wash quickly in distilled water
10. Dry with filter paper and allow to dry in the open air for 10 minutes
11. Xylene or substitutes. Mount with balsam

DIAPATH

Results

DNA: Pale green
 RNA: Pink/Red
 Acid Mucins: Turquoise



Quality control

The products and the raw materials are entered and constantly monitored by computer systems that allow traceability between batch number of each single product and batches of their raw materials.

Instructions of use

To avoid mistakes, the product should be used by qualified and trained staff. Professional use product. The guidelines concerning safety on the workplace must be applied according to current regulations. The tools used for diagnosis must be suitable for diagnostic use in laboratory. The diagnosis should be performed only by authorized, trained and competent staff. Control sections should be used during each test to avoid incorrect results.

Storage








Store the product according to the specifications listed on the label. The product, if opportunely stored and integrally packed, is stable up to the expiry date reported on the label. Do not use after expiration date.

If the reagent is not stored as recommended, its performance may change and must be validated by the user. After opening, the reagent is stable up to expiration date but only if stored in its container and in accordance with the specifications listed on the label. It is recommended to close the container tightly after the use.

Disposal instruction

The expired and/or unused product must be disposed according to local waste regulations, based on danger classification on the label and after possible contaminations evaluation. In some cases it may be necessary an analytical evaluation to determine the correct waste classification and the danger features.

Labeling legend

 LOT	Batch n.	 Manufacturer	 Storage temperature limits
 REF	Product code	 Expiry date	 In vitro diagnostic medical device
 Photosensitive			

For more information see the MSDS.