

P.A.S.M. Silver Methenamine acc. Callard

Stain for kidney tissue

Manufacturer: Diapath S.p.A.

Code	Test	Reagents	Code	Packaging
		Periodic acid 1%	G016AA	1x30 ml
		Silver Nitrate 5%	G069AA	1x30 ml
010234	100	Methenamine 3%	G070AA	1x30 ml
		Sodium tetraborate 2%	G071AA	1x30 ml
		Gold chloride 0.25%	G031AA	1x30 ml
		Sodium thiosulphate 5%	G013AA	1x30 ml

Description

The kit supplies reagents of P.A.S.M. Silver Methenamine acc. Callard staining used for the study of the basement membranes of kidney tissue.

The kit allows to stain visualize argyrophilic elements, mucopolysaccharides, mycetes and bacteria.

Specimen and preparation kind

- Preparation: paraffin section
- Suggested fixative: formalin
- Control: Kidney
- Storage temperature: +4°/+8°C
- Procedure time: 1h 7min
- Critical step: reagent temperature. Do not use metallic objects

Staining protocol

Mount with balsam

Drain reagents directly on section in a way to cover it completely.

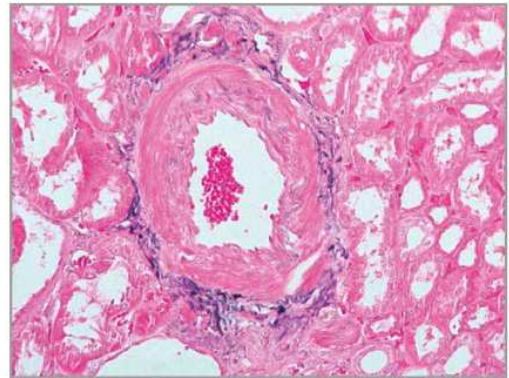
To avoid section excessive drying, use an incubator box.

1. Deparaffinize and hydrate to distilled water
2. Cover the section with **Periodic acid 1%** for 30 minutes
3. Wash in distilled water
4. Cover the section with 10 drops of **Silver nitrate 5%** + 10 drops of **Methenamine 3%** + 10 drops of **Sodium tetraborate 2%**
5. Incubate in oven for 30 minutes at +60°C
6. Verify impregnation tone at microscope. If necessary, incubate again. The sections should turn tobacco.
7. Leave it cool at room temperature for 5 minutes
8. Wash in distilled water
9. Cover the section with **Gold chloride 0.25%** for 1 minute
10. Wash in distilled water
11. Cover the section with **Sodium thiosulfate 5%** for 1 minute
12. Wash in distilled water
13. Immerse the sections in hematoxylin for 2 seconds
14. Running tap water for 2 seconds
15. Dip into Eosin for 2 seconds
16. Dehydrate quickly, clear and mount with balsam

DIAPATH

Results

Basement membranes, glycogen, mycetes
and bacteria capsule: black



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



Batch n.



Manufacturer



Storage temperature limits



Product code



Expiry date



In vitro diagnostic medical device



Photosensitive

For more information see the MSDS.