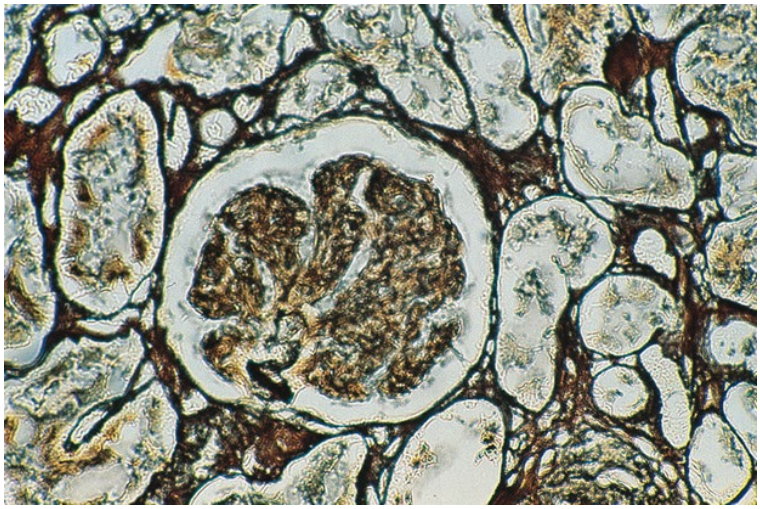
Bio - Optica
Improving Pathology

Data Sheet

CE

SILVER METHENAMINE P.A.S.M.



Kidney

CODE	DESCRIPTION	TESTS NUMBER
04-043822	Silver methenamine P.A.S.M.	100 test

IVD

In Vitro Diagnostic – medical device
IVD in **Class A**, Reg. UE 2017/746
UDI-DI: 08033976230753
Basic UDI: 080339762W01030799Y5

Manufacturer: Bio-Optica Milano S.p.A.

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Product for the preparation of cyto-histological samples for optical microscopy.
To show argyrophilic elements and mucopolysaccharides (basal membranes, mycetes, bacteria etc.) in tissue sections. Recommended method to examine basal membrane in renal biopsy.

PRINCIPLE

Periodic acid reacts with glycolic and glycoaminic groups in mucopolysaccharide chain oxidising them to aldehydic groups and thus breaking the chain itself. These newly formed aldehydic groups reduce silver chloride, which is part of the silver-methenamine complex, to metallic silver and make it visible.

WARNING

For good results, follow these rules:
- Always use excellent and chlorine-free distilled or deionized water.
- Use only perfectly clean glassware.
- As in all reactions with silver salts, it is essential to use perfectly clean glassware and excellent distilled or deionized water. Do not touch reagents containing silver salts with metallic objects (tweezers etc.)

METHOD

1) Bring section to distilled water.
2) Put on the section 10 drops of reagent A: leave to act for 30 minutes.
3) Rinse in distilled water.
4) Prepare the incubation box and lay down the slide; pour 10 drops of reagent B into the vial, add 10 drops of reagent C and 10 drops of reagent D, shake and put the obtained solution on the section, close the incubation box and incubate in oven at 60° C for 30-40 minutes.
5) Take out the incubation box from the oven and check the tone of impregnation, if it is correct wait 5 minutes and rinse in distilled water. If it is weak, reincubate in the oven and check every 5 minutes.
6) Put on the section 10 drops of reagent E: leave to act 1 minute.
7) Rinse in distilled water.
8) Put on the section 10 drops of reagent F: leave to act 1 minute.
9) Rinse in distilled water
10) Dehydrate through ascending alcohols, clear in xylene and mount.

The picture is for illustrative purposes only

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Technical details

Method specifications	Procedure time	1 hour and 15 minutes	
	Complementary equipment	Oven	
	Results	Basement membranes, glycogen, mycetes and bacterial capsule:	Black
Components	A) Periodic acid solution	30 ml	
	B) Silver nitrate solution	30 ml	
	C) Hexamethylenetetramine solution	30 ml	
	D) Sodium tetraborate solution	30 ml	
	E) Gold chloride solution	30 ml	
	F) Fixing solution	30 ml	
Storage	Storage	Store the preparation at 2-8°C. Keep the containers tightly closed	
	Storage temperature	2-8°C	
	Stability	After the first opening, the product is reusable until the expiry date, if correctly stored.	
	Validity	1 year	
Warning	Product classification	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.	
	Disposal	Hazardous preparation: observe all state and local environmental regulations regarding waste disposal.	

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

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