



VitroView™ PAS-Diastase (PAS-D) Stain Kit

SKU No. VB-3045

Introduction

The VitroView™ PAS-Diastase (PAS-D) Stain Kit is designed for the detection of glycogen, mucins, and basement membranes in tissue sections. This method combines Periodic Acid-Schiff (PAS) staining with diastase (α -amylase) digestion to specifically remove glycogen, rendering it PAS-negative while other PAS-reactive materials remain stained.

Kit Components

SKU Number	Component	Volume
VB-3045-1	Diastase Solution	250 ml
VB-3045-2	Periodic Acid Solution	250 ml
VB-3045-3	Schiff's Reagent	250 ml
VB-3045-4	Mayer's Hematoxylin Solution	250 ml

Storage

Diastase Solution, Periodic Acid Solution and Schiff's Reagent: Store at 2–8°C.

Mayer's Hematoxylin Solution: Store at room temperature.

Protocol for FFPE Tissue Sections

1. Immerse sections in Xylene for 6 minutes (twice).
2. Immerse in 100% Ethanol for 2 minutes.
3. Immerse in 95% Ethanol for 2 minutes (twice).
4. Immerse in 70% Ethanol for 2 minutes.
5. Rinse sections in distilled water for 5 minutes.
6. Treat sections with warm Diastase Solution at 37°C for 20-30 minutes in an incubator or water bath.
7. Wash sections thoroughly in running tap water.
8. Incubate sections with Periodic Acid Solution for 5 minutes.
9. Rinse sections in distilled water.
10. Cover sections with Schiff's Reagent in a dark staining chamber for 5-15 minutes.
11. Wash sections in fast-running tap water for 3–5 minutes to develop the magenta color.
12. Counterstain with Mayer's Hematoxylin Solution for 1 minute.
13. Rinse sections in tap water for 5 minutes.
14. Dehydrate sections using 3 changes of xylene (5 minutes per change).
15. Mount sections with Permount or another suitable organic mounting medium

Posituiev Control: Norma liver FFPE sections

Expected Results

- Mucins-----Magenta
- Nuclei-----Dark Blue
- Glycogen-----Not stained (glycogen is removed by diastase digestion)

Precautions

- Handle reagents with care.
- Avoid contact with eyes, skin, or clothing.
- Do not ingest.
- Always wear gloves when handling chemicals.