



VitroVivo Biotech

Make Tissues, Cells, Genes and Molecules Visible

VitroView™ PAS Stain Kit

SKU No. VB-3004

Introduction

The PAS (Periodic Acid Schiff) Stain Kit is used for detection of glycogen in tissues such as liver, cardiac and skeletal muscle in formalin-fixed, paraffin-embedded tissue sections. The PAS kit may also be used for frozen sections. Glycogen, mucin, and fungi will stain purple and nuclei will stain blue.

Kit Components

VB-3004-1	Periodic Acid Solution-----	250 ml
VB-3004-2	Schiff reagent-----	250 ml
VB-3004-3	Mayer's Hematoxylin Solution-----	250ml

Storage

Schiff reagent: store at 2-8°C.

The others: store at room temperature.

Protocol

1. Deparaffinize in Xylene I for 6 minutes and II for 6 minutes.
2. Rehydrate
 - a. Ethanol 100% (2 minutes)
 - b. Ethanol 100% (2 minutes)
 - c. Ethanol 95% (2 minutes)
 - d. Ethanol 95% (2 minutes)
 - e. Ethanol 70% (2 minutes)
3. Rinse in distilled water (5 minutes).
4. Oxidize in 0.5% periodic acid solution for 5 minutes.
5. Rinse in distilled water.
6. Place in Schiff reagent for 15 minutes (Sections become light pink color during this step).
7. Wash in lukewarm tap water for 5 minutes (Immediately sections turn dark pink color).
8. Counterstain in Mayer's hematoxylin for 1 minute.
9. Wash in tap water for 5 minutes.
10. Dehydrate and clear with 3 changes of xylene (5 minute per change)
11. Mount coverslip onto a glass slide with Permount or some other suitable organic mounting medium.

Results

- Glycogen, mucin and some basement membranes----- red/purple
- Fungi -----red/purple
- Background -----blue

Precautions: Handle with care. Avoid contact with eyes, skin and clothing. Do not ingest. Wear gloves.