

# PERIODIC ACID SCHIFF (PAS)-ALCIAN BLUE

## KH07010-125/500 mL

### DESCRIPTION AND USE

Periodic Acid Schiff- Alcian Blue (PAS-AB) technique is used to differentiate between acidic mucins as sialomucins, sulfomucin and neutral epithelial mucin. After staining, acidic mucins will be coloured blue, neutral in magenta and nuclei in deep blue. Mixtures of acidic and neutral mucins give blue/ purple colour.

Designed for research use only, it is not approved for human or animal use, or clinical diagnosis. Depending on the sample type, it is possible that times need to be modified. BQC recommends to perform a test first.

### MATERIALS SUPPLIED

Item	Size
Schiff Reagent	125/500 mL
0.5 % Periodic Acid	125/500 mL
Harris Hematoxylin Reagent	125/500 mL
Alcian Blue	125/500 mL

### STORAGE AND STABILITY

On receipt store kit components at 4 °C. Do not use after the expiration date stated on the packaging.

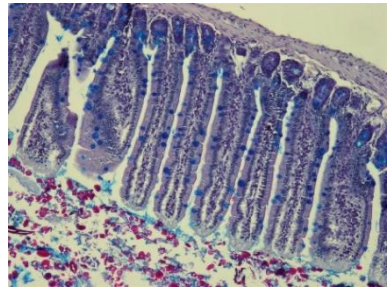
### RELATED PRODUCTS

Product	Reference
Periodic Acid Schiff (PAS) – Mayer's Hematoxylin	KH07011
Iron Stain Kit	KH07014
Periodic Acid Schiff (PAS) – Harris Hematoxylin	KH07012

### SHORT PROCEDURE

0		Deparaffinize sample and hydrate with ddH <sub>2</sub> O (BQC protocol available)
1	5 min	Place in Alcian Blue Reagent
2	3 min each	Wash in running tap water and distilled water
3	10 min	Place in 0.5% Periodic Acid
4	3 min each	Rinse with running tap water and distilled water
5	15 min	Apply Schiff Reagent
6	3 min each	Rinse with running tap water and distilled water
7	20 s	Apply Harris Hematoxylin Reagent
8	3 min	Rinse with tap water
9		Dehydrate with graded ethanol (not included), clear and cover

### STAINING EXAMPLE



*Histological Gut section (10x) from a C57BL6J wildtype mouse stained with BQC PAS Alcian Blue stain*

FOR RESEARCH USE ONLY