Servicebio® Alcian Blue Stain

Cat No.: G1027

Product Information

Product Name	Cat.No.	Spec.
Alcian Blue Stain	G1027-100ML	100 mL

Description

Alcian blue is a member of a family of polyvalent basic dyes which belongs to cationic dye and initially was used for dyeing textile fibers. The dye binds to acidic groups to color tissues with anionic groups, such as carboxyl groups. Alicin blue is a dye that shows acidic mucus substance specificity, causing acidic mucopolysaccharides in the cytoplasm to appear blue, while neutral mucins do not color.

This product containing 1% alcian blue dye, pH is about 2.5, which can be used for cartilage tissue staining. It can also be used in combination with PAS, which can distinguish between acid mucins and neutral mucins, with acid mucins appearing blue and neutral mucins red.

Storage and Handling Conditions

Room temperature, valid for 12 months.

Component

Component Number	Component	G1027
G1027	Alcian blue Stain	100 mL
Manual		1 pc

Assay Protocol

1. Paraffin sections were dewaxed to water;
2. Sections were immersed into Alcian blue stain for 15-30 min and washed in tap water.
3. (**Optional**) Sections were immersed into nuclear solid red stain (**G1035**) for 3 min and washed in tap water.
4. Sections were dehydrated three times with anhydrous ethanol for 5 min each, then transparent with xylene for 5 min, and then sealed with neutral gum.

Note: Provide your own anhydrous ethanol, xylene, and neutral gum.

Note

1. The staining time can be adjusted according to the degree of staining. The longer the staining time, the darker the blue tissue.
2. If it is necessary to observe the tissue morphology, the Nuclear fast red dye solution (G1035) can be used for redyeing and the section background color will be red.
3. 100 mL of stain can be used to stain approximately 500 sections. Replace with new stain when tissue or cell staining is significantly lighter or abnormal in color.
4. Please wear lab coat and disposable gloves during operation.

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