

Alcian Blue Staining Solution

Cat#: 4060811

[Product Name]

Alcian Blue Staining Solution

[Model & Specification]

Catalog#	Product Name	Specification
4060811	Alcian Blue	100 mL/bottle

[Intended Use]

Alcian Blue, a cationic dye, is intended for use in the histological visualization of sulfated and carboxylated acid mucopolysaccharides and sulfated and carboxylated sialomucins (glycoproteins).

[Principle of Procedure]

Alcian Blue is a copper phthalocyanine cationic dye. When used in a pH 2.5 acid solution the cations of Alcian blue can form ionic bonds with the negative charges ionized by carboxyl groups in the tissue, and the tissues with carboxyl groups (such as proteoglycan and hyaluronic acid) are stained.

[Main Compositions]

Product Name	Main Compositions
Alcian Blue Staining Solution	Alcian Blue (pH 2.5)

[Storage Conditions and Expiry Date]

Storage at 2°C~8°C, valid for 12 months.

[Materials Required But Not Provided]

Gradient Ethanol, Deionized water, Xylene.

[Procedures]

1. Deparaffinize sections and hydrate to distilled water;
2. Stain in Alcian Blue Staining Solution for 30~60 minutes, and rinse with deionized water for 2 minutes;
3. Dehydrate through gradient ethanol;
4. Clear, Mount in mounting medium and observe the result under microscope.

[Notes]









1. For scientific use only;
2. The user shall operate in strict accordance with the instructions; Work clothes, gloves and masks shall be wore when operating, and the operating environment shall be ventilated as possible;
3. After the smear or section is prepared, it shall be fully fixed; paraffin section shall be fully deparaffinized, otherwise it would lead to non-staining or uneven coloring, etc;
4. It is a normal phenomenon that precipitation occurs when the staining solution has been kept for too long;
5. Staining time can be properly shorten in summer or at higher temperature, and it can be properly prolonged in winter or at lower temperature;
6. Change the gradient ethanol regularly to ensure the purity;
7. This staining solution is for research use only and it needs to be used within the validity;
8. Dispose of all containers, waste liquid and slides in accordance with national regulations,

including unused items and used items.

[Instruction Approval and Revision Date]

2023.12.08

[Description of Product Symbol]

Product Symbol	Description	Product Symbol	Description
	Catalog Number		Product Batch Code
	Date of Manufacture		Manufacturer
	Store away from light		Storage at 2°C~8°C
	Consult instructions for use		Expiration Date

[Related Products]

Cat No.	Product Name	Specification
4060711	Oil Red O staining kit	100 mL/kit
4060611	Alizarin Red Staining Kit	100 mL/kit
6114531	Human MSC Lipid Differentiation Medium	200 mL/kit
6114541	Human MSC Osteogenic Differentiation Medium	200 mL/kit
6114551	Human MSC Chondrogenic Differentiation Medium	200 mL/kit
6062011	DPBS	500 mL/bottle

[Company Information]

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