



ALCIAN BLUE PH 1.0 STAIN KIT

ALCIAN BLUE PH 1.0 STAIN KIT: VAO-030 (30/60 mL), VAO-250 (250/500 mL)

ACETIC ACID SOLUTION 3%:

VAS-016 (500 mL)

VAS-032 (1 L)

SAFRANIN O STAIN:

VGC-004 (120 mL)

VGC-008 (250 mL)

VGC-016 (500 mL)

VGC-032 (1 L)

VGC-128 (3.8 L)

ALCIAN BLUE PH 1.0

VAO-008 (250 mL)

VAO-016 (500 mL)

VAO-032 (1 L)

Order online at www.volusol.com

INTENDED USE: THIS KIT IS INTENDED FOR USE IN THE VISUALIZATION OF STRONGLY SULFATED MUCOSUBSTANCES.

SPECIMEN PREPARATION: If the specimen collection and processing is done incorrectly it could adversely affect stain results. Specimens should be submitted directly to the laboratory without delay and protected from excessive temperatures. Deparaffinize sections, if necessary, and hydrate using distilled water.

PROCEDURE: Once sections have been prepared. Incubate slide in Acetic Acid Solution 3% for 3 minutes. Stain sections with Alcian Blue pH 1.0 for 30 minutes at room temperature (Decrease to 15 minutes at 37° C). If necessary, rinse slide for 3-5 seconds in Acetic Acid Solution 3% to remove excess Alcian Blue stain. Rinse for 2 minutes in running tap water, followed by 2 changes of distilled water. Stain sections with Safranin O Stain for 5 minutes. Rinse for 2 minutes in running tap water, followed by 2 changes of distilled water. Dehydrate using graded alcohol solutions (See Volu-Sol's Dehydrants). Clear slide, and mount in synthetic resin.

EXPECTED RESULTS: Strongly sulfated mucosubstances should stain blue, nuclei will be red, and the background should be a pinkish color.

STORAGE AND EXPIRATION: Store in area at 18-25° C upon receipt. Do not use reagents if they show signs of deterioration or if the expiration date has passed.

WARNING: For in-vitro diagnostic use only! Histological applications. Sterilize all biohazard waste before disposal. Avoid contact with skin and eyes. Use in chemical hood whenever possible. Not to be taken internally.

REFERENCES:

1. Lillie, R.D. 1977, H.J. Conn's Biological Stains, 9th Edition. Williams & Wilkins, Baltimore. Pages 452-455.
2. Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2nd Edition. Battelle Press, Columbus, OH. Pages 172-173.
3. Churukian, C.J., 1989, Manual of Special Stains Laboratory, 4th Edition. University of Rochester, Rochester, New York. Pages 55-56.
4. Carson, F.L., 1996, Histotechnology; A Self-Instructional Text, 2nd Edition. ASCP Press, Chicago, IL. Pages 117-121.