

Hackam Lab Alcian Blue—Cells, pH 2.5

SOLUTIONS

3% Acetic Acid Solution

3ml of Acetic Acid Glacial (Fisher Cat# A38SI-212) add to 97ml water

Alcian Blue Solution

Alcian blue, 8GX
Acetic acid, 3% solution

1.0gm
100.0ml

} Mix overnight and filter through Q8
filter paper

Nuclear Fast Red Solution (Sigma cat no. N3020)

PROCEDURE

1. Fix cells on cover slips with 4%PFA 20 minutes
2. Wash with PBS x3
3. Place in 3% acetic acid solution 3 minutes.
4. Stain in Alcian blue solution 30 minutes at 37°C.
5. Wash with PBS 3x5'
6. Counterstain in nuclear fast red solution 60 minutes @37°C (check for red nuclear staining).
7. Wash with PBS 3x5 minutes
8. Mount with Gelvatol mount media