



FAST Stain for Spinal disc

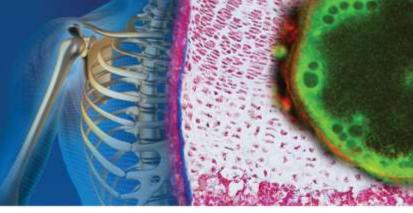
SOLUTIONS:

1% Alcian Blue 8GX (pH 1.0)		
•		
(1N Hydrochloric aci		/
	Concentrated Hydrochloric acid	85ml)
	o)ic Acid)	
	·	0.625 g
(0.25% Acetic acid:	Distilled water	997.5ml)
`	Glacial Acetic acid	,

2/2020







FAST Stain for Paraffin Sections

STAINING PROCEDURE:

- 1. Deparaffinize slides and rehydrate through graded ethanols to distilled water.
- 2. Place slides in 1% Alcian blue 8GX (pH 1.0) for **2.5 minutes**.
- 3. Rinse in 3 changes of distilled water.
- 4. Place slides in 0.1% Safranin-O for 3 minutes.
- 5. Rinse in 3 changes of distilled water.
- 6. Color differentiate in 50% ethanol for **1 minutes**.
- 7. Rinse in 3 changes of distilled water.
- 8. Place slides in 0.25% Tartrazine (in 0.25% acetic acid) for **10 seconds.**
- 9. Rinse in 3 changes of distilled water.
- 10. Counterstain with 0.001% Fast Green for 5 minutes.
- 11. Rinse in 3 changes of distilled water.
- 12. Thoroughly air dry slides, dip one by one in Xylene and mount.

RESULTS:

Growth plate ----- red (blue pericellular)

Bone ----- yellowish green

Annulus Fibrosus (inner) ----- orange with blue patches (blue pericellular)

Annulus fibrosus (superficial) --- greenish blue

Nucleus pulposus ------ blue (orange pericellular)

Cartilaginous endplate ----- Orange (orange pericellular)



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Extended FAST Stain for Paraffin Sections

STAINING PROCEDURE:

- 1. Deparaffinize slides and rehydrate through graded ethanols to distilled water.
- 2. Place slides in 1% Alcian blue 8GX (pH 1.0) for **10 minutes**.
- 3. Rinse in 3 changes of distilled water.
- 4. Place slides in 0.1% Safranin-O for 3 minutes.
- 5. Rinse in 3 changes of distilled water.
- 6. Color differentiate in 50% ethanol for **1 minutes**.
- 7. Rinse in 3 changes of distilled water.
- 8. Place slides in 0.25% Tartrazine (in 0.25% acetic acid) for **10 seconds.**
- 9. Rinse in 3 changes of distilled water.
- 10. Counterstain with 0.001% Fast Green for 5 minutes.
- 11. Rinse in 3 changes of distilled water.
- 12. Thoroughly air dry slides, dip one by one in Xylene and mount.

RESULTS:

Growth plate	red (blue pericellular)
Bone	yellowish green
Annulus fibrosus	(A1) greenish blue (blue pericellular)
	(A2) greenish blue with blue patches. (blue pericellular with orange
	halo)
	(A3) blue (blue pericellular with orange halo)
	(A4) blue (blue pericellular with orange stretch)
Nucleus pulposus	blue (orange pericellular with orange halo)
Cartilaginous endp	late Orange (blue pericellular)

