

F-357 PICROSIRIUS RED STAINING OF CARDIAC MUSCLE FOLLOWING PHOSPHOMOLYBDIC ACID TREATMENT

(This method eliminates cytoplasmic staining, revealing thin septa and collagen fibers clearly)

Fixation: Bouins' Fixative (F-40)

Sections: Paraffin @ 7 microns.

Staining:

1. Deparaffinize and hydrate to distilled water.
2. Wash in running tap water, 10 minutes.
3. Rinse in distilled water.
4. Treat in Phosphomolybdic Acid 0.2% Aqueous (F-357-1) (1-5 minutes)
5. Stain in Sirius Red, 0.1% in Sat'd Picric Acid (F-357-2), for 90 minutes.
6. Wash for 2 minutes in 0.01 N Hydrochloric Acid (F-357-3).
7. Rinse in 70% Alcohol for 45 seconds.
8. Dehydrate, clear and mount in Permount (M-18).

Results:

Septa	Red
-------	-----

References:

Dolber, Paul C. and Madison S. Spach. *Picrosirius Red Staining of Cardiac Muscle Following Phosphomolybdic Acid Treatment*, Stain Technology, Vol.62 No.1 (1987) 23-26.