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**H-504, OIL RED IN PROPYLENE GLYCOL METHOD**

**FIXATION:** 10% Buffered Neutral Formalin (F-113)

**SECTION:** Frozen

**STAINING PROCEDURE:**

1. Cut frozen section and collect in distilled water.
2. **Propylene Glycol, Absolute**, (H-504-6) for 2 minutes
3. **Oil Red O Solution**, (H-504-1) for one hour. If sections are mounted on glass slides before staining, allow staining process to continue overnight.
4. Differentiate in **Propylene Glycol, 85%**, (H-504-3) for one minute. Rinse in two changes of distilled water.
5. Stain for a few seconds in **Mayer's Hematoxylin**, (H-504-2) or **Harris' Hematoxylin**, (H-504-2A). Rinse in two changes of distilled water.
6. If over-stained differentiate in **Hydrochloric Acid, 5%**, (H-504-4); wash in water; neutralize in **Ammonia Water, 0.3%**, (H-504-5).
7. Wash in two changes of distilled water. Mount with **Glycerin Jelly** (M-12).

**STAINING RESULTS:**

Fat.....Red  
Nuclei.....Blue

**REFERENCES:**

AFIP Manual of Histologic Staining Methods, Ed. L. Luna, 3<sup>rd</sup> ed.,  
New York, McGraw-hill Publications, c. 1968, p. 140.

