

L-779, RIBONUCLEASE DIGESTION METHOD

FIXATION: **10% Buffered Neutral Formalin** (F-113). Fixatives containing mercuric, chromic or other heavy metal ions should not be used.

SECTIONS: Paraffin @ 6 microns

STAINING: Run two control sections.

1. Deparaffinize and hydrate to distilled water.
2. Treat one section in freshly prepared Ribonuclease solution for 2-3 hours @ 37°C.

0.5 gm **Ribonuclease** (L-779-1)
100 ml Distilled water

*Adjust pH of distilled water with **Sodium Hydroxide,0.1N** (L-779-2)
or **Hydrochloric Acid,0.1N** (L-779-3)

3. Treat with a second section in distilled water for 2-3 hours @ 37°C.
4. Remove both sections and wash in running water for 10 minutes.
5. Stain as desired.

STAINING RESULTS:

The material in the sections incubated in distilled water and not present in the section treated with Ribonuclease solution is Ribonucleic Acid.

REFERENCES:

AFIP Manual of Histological Staining Methods, 3rd ed., Ed. L. Luna: New York: McGraw Hill Publications, c. 1968, p. 136.