Thermo Scientific™ Shandon TBD-1™ Decalcifier Instructions for Use

Thermo Scientific Shandon TBD-1 Decalcifier is formulated to remove calcium from histological specimens. The EDTA and dilute hydrochloric acid in this TBD-1 Decalcifier require no heat, electricity or other aids to decalcify bone tissue. This decal solution offers rapid decalcification without destroying nuclear properties of the tissue.

**Instructions For Use**

TBD-1 Decalifier is designed to be used at full strength and should not require any additives. Protective gloves should be worn and work should be performed in a ventilated area. Bones and other calcified materials should be fixed prior to placing them in TBD-1 Decalcifier. Bone specimens should be cut into sections of 3 mm thickness or less.

**Procedure**
1. Rinse fixed section in water before placing in this solution.
2. Completely immerse section in a volume equivalent to 20 times the volume of the specimen.
3. Treatment time will vary depending on the size, hardness, number and type of specimens. Times may vary from 15-30 minutes for needle biopsies to 3-24 hours for thick sections and should be adjusted according to practice and experience.
4. Change and discard the TBD-1 Decalcifier daily.
5. Stirring accelerates decalcification.
6. After decalifying, wash specimens in running water before routine processing.

**Notes**
1. For more rapid decalcification, suspend the specimen in TBD-1 Decalcifier and use a mechanical stirrer.
2. Decalcification should be done in a glass or plastic container.
3. Caution must be used if the specimen will remain in TBD-1 Decalcifier overnight or on weekends or holidays. If there is a chance specimens may become over-decalcified by prolonged exposure, remove specimen from TBD-1 Decalcifier, rinse and place in fixative overnight. Repeat steps 1-6 above during working hours.

**Warnings and Precautions**

See Material Safety Data Sheets for warnings and precautions, as well as R & S code definitions. See container label for warnings and precautions.

**Order Information**

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