

Thermo Scientific
Richard-Allan
Scientific
Cal-Rite

**Instructions
For Use**

Cal-Rite

Thermo Scientific Richard-Allan Scientific Cal-Rite decalcifying solution 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.

Instructions For Use

Specimen Preparation

1. Bones and other calcified materials can be fixed prior to placing them in Cal-Rite; however, these specimens can be placed directly into Cal-Rite. The solution contains 10% v/v formaldehyde and fixes and decalcifies simultaneously (pre-fixation renders better results).
2. Bone specimens should be cut into sections of 5mm thickness or less.

Procedure

1. Decalcification should be performed in a glass or plastic container.
2. Rinse excess fixative from specimen with water and place into Cal-Rite. Long washing after fixation or decalcification is not recommended.
3. The volume of Cal-Rite should be 20 times the volume of the specimen.
4. For more rapid decalcification, suspend the specimen in Cal-Rite and use a mechanical stirrer.

Warning: Do not use heat. Use protective gloves and other precautions when handling decalcifying agents. Also, do not add hydrochloric acid to Cal-Rite. This combination will create bis-chloro-methyl ether, a known carcinogen. ▲

5. Any of the routine methods for determining the end point of decalcification can be used.
6. Decalcification in Cal-Rite can take several hours to several days.

Note: Decalcification times vary depending on tissue size, thickness, density, and type of specimen. More exact time limits must be based on experience and judgment of the histotechnologist or pathologist. Cal-Rite should be changed daily to hasten decalcification. ▲

Warnings and Precautions

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

See container labels for warnings and precautions.

Order Information

Product	Size	Qty.	REF
Cal-Rite	1 gal. (3.79L) bottle	Ea.	5501
Cal-Rite	2.5 gal. (9.48L) cubitainer	Ea.	5525
Cal-Rite	5 gal. (208L) drum	Ea.	5555

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Anatomical Pathology



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IS8106 R4/08