



## Calci-Clear™

Moderate speed decalcifier.

- Mildness balanced with performance
- Minimized loss of tissue structure
- Excellent staining characteristics

### INTRODUCTION

Calci-Clear contains a mildly acidic blend of chelating and sequestering agents. Tissues to be decalcified are simply immersed in Calci-Clear until calcium deposits are removed. This may require 24 hours or longer.

The following protocol is meant to serve as a starting point; there is no one standard protocol for tissue decalcification. Larger, denser samples will require increased incubation times.

### DECALCIFICATION

- 1) Rinse fixed tissue in running water for five minutes.
- 2) Submerge the tissue sample in a volume of CalciClear equal to at least ten times the volume of the sample. Take care that the CalciClear has free access to all surfaces of the tissue.
- 3) Check tissue every thirty to sixty minutes. Although some workers consider decalcification complete when the tissue begins to float, for some types of tissue this is not an accurate indicator of the endpoint of decalcification. A chemical test may be used to more accurately confirm the endpoint of decalcification.
- 4) Changing the solution is recommended every two or three hours.

### CALCIUM OXALATE ENDPOINT TEST

- 1) Remove 2.5ml of used Calci-Clear and dilute with 2.5ml of deionized water. Add concentrated ammonia drop by drop until the solution is neutral to litmus. Shake after the addition of each drop.
- 2) Add approximately 5ml of saturated ammonium oxalate solution.
- 3) Shake well and allow to stand for 30 minutes.

Decalcification is complete if the solution remains clear. However, if a precipitate forms or if the solution is persistently turbid, calcium is still present.

### ORDERING INFORMATION

#### Calci-Clear

HS-104	1 quart
	1 gallon
	5 gallon

#### For Additional Information And Order Placement:

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