



Calci-Clear™ Rapid

High speed decalcifier

- Rapid decalcification
- Minimized loss of tissue structure
- Excellent staining characteristics

INTRODUCTION

This protocol is meant to serve as a starting point. Developing the best method for a particular application usually requires at least one optimization cycle. Because of differences in size and density among various bone samples, there is no standard protocol. 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 Calci-Clear Rapid equal to at least ten times the volume of the sample. Take care that the Calci-Clear Rapid has free access to all surfaces of the tissue.
- 3) Check tissue every 30-60 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 employed to more accurately confirm decalcification endpoint.
- 4) Changing the solution is recommended every 2-3 hours.

CALCIUM OXALATE ENDPOINT TEST

- 1) Remove 2.5ml of used Calci-Clear Rapid and dilute with 2.5ml of DI water. Add concentrated ammonia drop by drop till 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 present.

ORDERING INFORMATION

Calci-Clear Rapid

| | |
|--------|----------|
| HS-105 | 1 quart |
| | 1 gallon |
| | 5 gallon |

For Additional Information And Order Placement:

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