

# Instructions for Use

## RapidCal™ Immuno



CATALOG NUMBER	DESCRIPTION	UNIT OF MEASUREMENT
6086	Rapid Cal Immuno, 1 pint	1 each
6089	Rapid Cal Immuno, 1 gallon	1 each

### INTENDED USE

RapidCal™ Immuno is formulated to decalcify bone rapidly, yet perform gentle enough to be used as a routine decalcifying solution for bone marrow biopsies. RapidCal™ Immuno is designed to preserve maximum immunogenicity while accomplishing rapid decalcification.

### APPLICATIONS

RapidCal™ Immuno may be used as a routine decalcifying solution, especially for bone marrow biopsies.

### STORAGE AND STABILITY

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Do not store in metal containers.

Refer to SDS for details.

### SPECIMEN PREPARATION AND PROCEDURE


Tissue specimens must be fixed before exposure to RapidCal Immuno™.

- 1 Fix specimens in appropriate fixative.
- 2 Volume should be equivalent to 20 times the volume of the specimen. For best results, suspend specimen so it is not in contact with any surface of the container. This allows exposure to all specimen surfaces and precipitated calcium salts to sink to the bottom of the container.
- 3 Small specimens should not be left in solution overnight. If decalcification process is incomplete, wash in water and return to fixative. Wash again before returning to decalcification solution to complete the process.
- 4 Continue Step #3 until specimen is decalcified.  
\*If decalcification time exceeds 24 hours, it is best to replace solution with fresh solution.
- 5 When decalcification is complete, remove specimen from RapidCal™ Immuno and rinse well in water.
- 6 Process tissue, embed and cut.

### TECHNICAL INFORMATION

- 1 A heavy-duty blade or high profile blade may work better for microtomy.
- 2 Decalcification times will vary depending on size and thickness of the specimen. Approximate times can be determined in each lab based on experience.
- 3 If the decalcification process is incomplete, surface decal techniques may be used. After facing the tissue block, place block tissue-side down in decalcifier for 15-60 minutes. Rinse well in DI water and continue with microtomy.

Please contact [tech@statlab.com](mailto:tech@statlab.com) with any additional questions.

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