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## TECHNICAL DATA SHEET 896

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# Acetic Acid Formalin for Bone Marrow and Lymph Node Fixative

### DESCRIPTION

Acetic Acid Formalin for Bone Marrow and Lymph Node Fixative is designed to fix lymphoreticular myeloid, lymph nodes and bone marrow tissues.

### PROCEDURE FOR BONE MARROW BIOPSIES:

#### Aspirate

1. Allow aspirate to clot in petri dish.
2. Transfer clot to specimen container filled with 10% neutral buffered formalin.
3. Process as usual.

#### Bone Core Fixation

1. Immediately fix in Acetic Acid Formalin for Bone Marrow and Lymph Node Fixative (Cat. #24910) for a minimum of one hour.
2. Fix overnight if brought in later than 2 hours before end of the work day. Decalcify first thing in the morning.

#### Bone Core Decalcification

1. Place fixed core and label in a plastic cassette. (Super Decal II: Heavy Duty Decal discolors metal) Decalcify in Deli-Cal Block Solution for 1 hour. Do not leave overnight.
2. Test for decalcification by gently checking for pliability.
3. Rinse in running tap water for approximately 2 minutes.

#### Processing

1. If biopsy came in afternoon, process with the rest of the specimens.
2. If the biopsy is decalcified in the morning, hand process in 120cc plastic specimen cups, 15 minutes in each container, starting with 70% ethanol or speed process through processor, 15 minutes each station with heat and vacuum, starting with the first dehydrant station.

#### Microtoming

1. Cut both aspirate and bone cores at 2 microns.
2. Place 3 levels on one slide. Cut an extra slide of the last level and set aside on the back of the water bath in case a special stain is requested.

#### Staining

1. Hematoxylin approximately 5 minutes. Bone core 1 minute (check under the microscope before counterstaining).
2. Eosin for 10 dips, dehydrate, clear and coverslip.

### NOTE

Over decalcification will result in poor or indifferent histological detail and staining characteristics. Less than one hour is usually not sufficient.

### REFERENCE

Adapted from Becky Scholes, HTL, MT(ASCP) H.I.S.T.O., The Official Newsletter of the Iowa Society for Histotechnology, Tech Tip

### ORDERING INFORMATION

Catalog #	Description	Size
24910-500	Acetic Acid Formalin for Bone Marrow & Lymph Node Fixative	500 ml
24910-1	Acetic Acid Formalin for Bone Marrow & Lymph Node Fixative	1 liter

### TO ORDER

**In The U.S. Call:** 1(800) 523-2575 • (215) 343-6484  
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