



Zinc Formalin 4:1 Concentrate

Procedure to make 5 gallons of Zinc Formalin:

1. To a 5 gallon container add 4 gallons of distilled water.
2. Slowly add 1 gallon of Zinc Formalin (4:1 Concentrate).
3. Stir long enough to adequately mix the solution.

General Information

Zinc Formalin is a coagulative and noncoagulative fixative. It fixes all the nuclear and cytoplasmic components of the cell. The following information is relevant to the use of Zinc Formalin.

Packaging

Catalog #	Volume
0921	Zinc Formalin 4:1 Conc., 4x1 Gal
0926	Zinc Formalin 4:1 Conc., 5 Gal
Cube	

Staining Procedure

1. The biopsies should be added directly to Zinc Formalin. No dilution or addition of other agents is necessary before use*. (* For Zinc Formalin Concentrate see attached sheet for dilution instructions.)
2. Generally it should be used similar to the way one would use formalin as a fixative.
3. Tissue should be fixed in Zinc Formalin for at least one hour before processing.
4. Over fixation is not a problem, however, it is a good idea not to fix the tissue in for more than one week.
5. No washing of the tissue after fixation is necessary.
6. The fixed tissue should be processed by the same schedule used for routine formalin-fixed tissues.
7. The schedule for staining tissues fixed with Zinc Formalin will vary slightly from formalin-fixed tissues. Usually the staining times for hematoxylin and eosin will be about one third of that used routinely for formalin-fixed tissues.
8. Disposal of Zinc Formalin should be the same as that used for formalin in your laboratory. Zinc Formalin contains no mercury.

Zinc Formalin (1:4 Concentrate) Dilution Instructions