

Instructions for Use

Reagent Alcohol



CATALOG NUMBER	DESCRIPTION	UNIT OF MEASUREMENT
6900-1	Reagent Alcohol 100%, 1 gallon	4 per case
9500-1	Reagent Alcohol 95%, 1 gallon	4 per case
6980-1	Reagent Alcohol 80%, 1 gallon	4 per case
7070-1	Reagent Alcohol 70%, 1 gallon	4 per case
7050-1	Reagent Alcohol 50%, 1 gallon	4 per case

INTENDED USE

Reagent Alcohol is specifically designed denatured ethyl alcohol for processing and staining of histological and cytological tissue specimens. It is available in concentrations of 80%, 95%, and 100%. In tissue processing, it is used to gradually displace un-bonded, free water that exists in tissue specimens to prepare them for paraffin infiltration. The 100% and 95% Reagent Alcohols are also excellent lipid extractors and dehydrate the tissue specimens in a very controlled manner. In staining, Reagent Alcohol efficiently hydrates tissue specimens to prepare them for biological staining at the beginning of the staining process, as well as effectively displaces water within the tissue prior to clearing and coverslipping at the end of the staining process. Reagent Alcohol can also be used as a solvent for other histological and cytological techniques such as special stains. Strict quality control and assurance ensures batch to batch consistency and optimal dehydration properties. Each batch is quantitatively measured by a gas chromatograph to guarantee chemical consistency. Reagent Alcohol is a non-controlled substance and does not require record keeping.

APPLICATIONS

For use in processing and staining of histological and cytological specimens.

STORAGE AND STABILITY

Storage: Store in a dry, cool, and well-ventilated place. Keep container closed when not in use. Store locked up. Keep/store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Refer to SDS for details.

PROCEDURES FOR TISSUE PROCESSING

Recommended tissue processing procedure on a conventional tissue processor for a range of tissue types and sizes. Modifications of this schedule may be necessary.

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|-----|---|----------------|
| 1. | 10% Neutral Buffered Formalin | 1 hour/holding |
| 2. | 10% Neutral Buffered Formalin | 1 hour |
| 3. | 70% Reagent Alcohol or Alcoholic Formalin | 45 minutes |
| 4. | 80% Reagent Alcohol or Alcoholic Formalin | 45 minutes |
| 5. | 95% Reagent Alcohol | 45 minutes |
| 6. | 100% Reagent Alcohol | 45 minutes |
| 7. | 100% Reagent Alcohol | 45 minutes |
| 8. | 100% Reagent Alcohol | 45 minutes |
| 9. | Clearing Reagent | 1 hour |
| 10. | Clearing Reagent | 1 hour |
| 11. | Paraffin | 30 minutes |
| 12. | Paraffin | 30 minutes |
| 13. | Paraffin | 30 minutes |
| 14. | Paraffin | 30 minutes |

Recommended tissue processing procedure on a conventional tissue processor for small biopsies. Modifications of this schedule may be necessary.

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|-----|---|----------------|
| 1. | 10% Neutral Buffered Formalin | 15 min/holding |
| 2. | 10% Neutral Buffered Formalin | 10 minutes |
| 3. | 70% Reagent Alcohol or Alcoholic Formalin | 10 minutes |
| 4. | 80% Reagent Alcohol or Alcoholic Formalin | 10 minutes |
| 5. | 95% Reagent Alcohol | 10 minutes |
| 6. | 100% Reagent Alcohol | 10 minutes |
| 7. | 100% Reagent Alcohol | 10 minutes |
| 8. | 100% Reagent Alcohol | 10 minutes |
| 9. | Clearing Reagent | 10 minutes |
| 10. | Clearing Reagent | 10 minutes |
| 11. | Paraffin | 5 minutes |
| 12. | Paraffin | 5 minutes |
| 13. | Paraffin | 5 minutes |
| 14. | Paraffin | 5 minutes |

PROCEDURE FOR H&E STAINING

This is an example of a staining procedure for the use of Reagent Alcohol in H&E staining. Modifications may be necessary for each lab. The recommendations aim to ensure proper tissue preparation and staining procedures. A reagent rotation/change schedule should be developed by each lab in accordance with policies and procedures.

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|-----|----------------------|------------|
| 1. | Clearing Reagent | 2 minutes |
| 2. | Clearing Reagent | 2 minutes |
| 3. | Clearing Reagent | 2 minutes |
| 4. | 100% Reagent Alcohol | 1 minute |
| 5. | 100% Reagent Alcohol | 1 minute |
| 6. | 100% Reagent Alcohol | 1 minute |
| 7. | 95% Reagent Alcohol | 1 minute |
| 8. | Water Rinse | 30 seconds |
| 9. | Hematoxylin | 3 minutes |
| 10. | Water Rinse | 1 minute |
| 11. | Acid Rinse | 30 seconds |
| 12. | Water Rinse | 1 minute |
| 13. | Bluing Reagent | 1 minute |
| 14. | Water Rinse | 1 minute |
| 15. | 95% Reagent Alcohol | 15 seconds |
| 16. | Eosin | 30 seconds |
| 17. | 100% Reagent Alcohol | 1 minute |
| 18. | 100% Reagent Alcohol | 1 minute |
| 19. | 100% Reagent Alcohol | 1 minute |
| 20. | Clearing Reagent | 1 minute |
| 21. | Clearing Reagent | 1 minute |
| 22. | Clearing Reagent | 1 minute |

Please contact tech@statlab.com with any additional questions.



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