

Instructions for Use

MasterTech Reagents Alcohol



CATALOG NUMBER	DESCRIPTION	UNIT OF MEASUREMENT
ALREAGAL	Reagents Alcohol 100%, 1 gallon	1 each
ALREA95GAL	Reagents Alcohol 95%, 1 gallon	1 each
ALREA80GAL	Reagents Alcohol 80%, 1 gallon	1 each
ALREA70GAL	Reagents Alcohol 70%, 1 gallon	1 each

INTENDED USE

MasterTech Reagents Alcohol is specifically designed denatured ethyl alcohol that does not contain Methyl Alcohol. It is used for processing and staining of histological and cytological tissue specimens and is available in concentrations of 70%, 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% MasterTech Reagents Alcohols are also excellent lipid extractors and dehydrate the tissue specimens in a very controlled manner. In staining, MasterTech Reagents 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. MasterTech Reagents 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 consistently and optimal dehydration properties. Each batch is quantitatively measured by a gas chromatograph to guarantee chemical consistency. MasterTech Reagents 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% Reagents Alcohol or Alcoholic Formalin | 45 minutes |
| 4. | 80% Reagents Alcohol or Alcoholic Formalin | 45 minutes |
| 5. | 95% Reagent Alcohol | 45 minutes |
| 6. | 100% Reagents Alcohol | 45 minutes |
| 7. | 100% Reagents Alcohol | 45 minutes |
| 8. | 100% Reagents 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% Reagents Alcohol or Alcoholic Formalin | 10 minutes |
| 4. | 80% Reagents Alcohol or Alcoholic Formalin | 10 minutes |
| 5. | 95% Reagents Alcohol | 10 minutes |
| 6. | 100% Reagents Alcohol | 10 minutes |
| 7. | 100% Reagents Alcohol | 10 minutes |
| 8. | 100% Reagents 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% Reagents Alcohol | 1 minute |
| 5. | 100% Reagents Alcohol | 1 minute |
| 6. | 100% Reagents Alcohol | 1 minute |
| 7. | 95% Reagents 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% Reagents Alcohol | 15 seconds |
| 16. | Eosin | 30 seconds |
| 17. | 100% Reagents Alcohol | 1 minute |
| 18. | 100% Reagents Alcohol | 1 minute |
| 19. | 100% Reagents 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.



StatLab Medical Products
2090 Commerce Drive, McKinney, TX 75069
StatLab.com Phone: +1 800-442-3573

