

Instructions for Use

Xylene



CATALOG NUMBER	DESCRIPTION	UNIT OF MEASUREMENT
8400-1	Xylene, Laboratory Grade, 1 gallon	4 per case

INTENDED USE

Xylene is a clear, colorless solution specifically used for tissue processing and staining of histological and cytological tissue specimens. In tissue processing, it is used to displace the alcohol content within tissue specimens to prepare them for paraffin infiltration. It is also an excellent lipid extractor. In staining, Xylene removes paraffin from tissue sections at the beginning of the staining sequence and then readies the slide for coverslipping at the end of the staining process.

Strict quality control and assurance ensures batch to batch consistency and optimal clearing properties. Each batch is quantitatively measured by a gas chromatograph to guarantee chemical consistency and to identify any impurity that may adversely affect tissue processing and/or staining. Benzene, a known carcinogen is a contaminant of all xylenes. Strict quality control and sourcing assures the lowest possible level of benzene as well as the lowest amount of para-xylene. Xylene is also the solvent of choice for removing or separating coverslips from microscope slides and for the cleaning (purge) cycle in conventional tissue processors.

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.

1.	10% Neutral Buffered Formalin	1 hour/holding
2.	10% Neutral Buffered Formalin	1 hour
3.	70% Alcohol or Alcoholic Formalin	45 minutes
4.	80% Alcohol or Alcoholic Formalin	45 minutes
5.	95% Alcohol	45 minutes
6.	100% Alcohol	45 minutes
7.	100% Alcohol	45 minutes
8.	100% Alcohol	45 minutes
9.	Xylene	1 hour
10.	Xylene	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.

1.	10% Neutral Buffered Formalin	15 min/holding
2.	10% Neutral Buffered Formalin	10 minutes
3.	70% Alcohol or Alcoholic Formalin	10 minutes

4.	80% Alcohol or Alcoholic Formalin	10 minutes
5.	95% Alcohol	10 minutes
6.	100% Alcohol	10 minutes
7.	100% Alcohol	10 minutes
8.	100% Alcohol	10 minutes
9.	Xylene	10 minutes
10.	Xylene	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.

1.	Xylene	2 minutes
2.	Xylene	2 minutes
3.	Xylene	2 minutes
4.	100% Alcohol	1 minute
5.	100% Alcohol	1 minute
6.	100% Alcohol	1 minute
7.	95% 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% Alcohol	15 seconds
16.	Eosin	30 seconds
17.	100% Alcohol	1 minute
18.	100% Alcohol	1 minute
19.	100% Alcohol	1 minute
20.	Xylene	1 minute
21.	Xylene	1 minute
22.	Xylene	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

