

# P4™

## Catalog # 4440

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### Intended Use

P4™ is a substitute for xylene designed to be used on tissue processors. It is a combination aliphatic and cycloparaffinic hydrocarbon with enhanced abilities to clear tissues after dehydration.

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### General Information

P4™ is a clearant formulated to replace xylene in tissue processing. It is to be used as an effective xylene substitute, and it has effective properties for clearing tissues similar to those observed with xylene. The time for clearing tissues is the same as that for xylene, yet it is much more environmentally friendly. P4™ is compatible with all tissue dehydrants and all paraffins routinely used. It is designed to be used for tissue processing only; for clearing tissue sections in staining sequences, use S3™. For deparaffinization of tissue section, use S1™.

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### Packaging

Catalog #	Volume
4441	1 qt
4442	4x1 gal

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### Staining Procedure

BBC RECOMMENDED AUTOMATED AND MANUAL HISTOLOGY STAINING PROCEDURE FOR HARRIS HEMATOXYLIN AND EOSIN

\*Initially deparaffinize tissue sections with BBC S1™ or Xylene

Step *	Solution	Time
1.	100% Alcohol.....	20 seconds
2.	100% Alcohol.....	20 seconds
3.	95% Alcohol.....	20 seconds
4.	95% Alcohol.....	20 seconds
5.	70% Alcohol.....	20 seconds
6.	Running H <sub>2</sub> O Wash.....	30 seconds
7.	BBC Harris Hematoxylin .....	3-5 minutes
8.	Running H <sub>2</sub> O Wash .....	1 minute
9.	BBC Acid Wash•Histo™ .....	1 minute
	or BBC Acid Alcohol•Histo™ .....	2-3 dips
10.	Running H <sub>2</sub> O Wash.....	1 minute
11.	BBC Blueing Solution•Histo™.....	15 seconds
12.	Running H <sub>2</sub> O Wash.....	1 minute
13.	70% Alcohol.....	30 seconds
14.	BBC Special Eosin I™ or II™, or Eosin Y, or Eosin Y w/ Phloxine B.....	45 seconds
15.	BBC S2•Histo™ .....	20 seconds
16.	BBC S2•Histo™ .....	20 seconds

17. BBC S2•Histo™ ..... 20 seconds
18. BBC S2•Histo™ ..... 20 seconds
19. BBC S2•Histo™ ..... 20 seconds
20. BBC S3™ or Xylene..... 20 seconds
21. BBC S3™ or Xylene..... 30 seconds
22. BBC S3™ or Xylene..... 30 seconds
23. Mount and coverslip with Optic Mount I™ or an appropriate mounting medium.

**Note:** Each of these reagents can be intermixed and used with other staining sequences and other manufacturer's reagents.