

INTENDED USE

Hp Blue is a basic stain and is used to demonstrate acidic substances.

PRODUCT SUMMARY

Hp Blue is formulated to stain bacteria and acidic cellular elements blue. When used in combination with Hp Yellow it produces results equivalent to the Alcian Yellow-toluidine blue procedure to demonstrate *Helicobacter pylori*.

INGREDIENTS

Hp Blue dye (C.I. 11154), methyl paraben (preservative)

WARNING

Irritant to eyes.

For In Vitro Diagnostic Use.

STORAGE

Store at room temperature, away from direct sunlight. Keep container tightly closed when not in use.

DIRECTIONS FOR USE

1. Filter before use.
2. Dehydration in ethanol must be brief to avoid decolorizing bacteria; Hp Blue is soluble in ethanol.
3. Isopropanol is used to finish dehydration; it does not remove Hp Blue from the sections.
4. If blue color appears faded, use only one ethanol followed by two isopropanols.
5. If using Hp Yellow prior to Hp Blue, thoroughly rinse the acetic acid solution from the section. Tap water (rather than deionized or distilled water) prior to Hp Blue will intensify the blue color.

RECOMMENDED STAINING SCHEDULE

The following schedule is for Hp Blue with Hp Yellow. Omit steps 6-10 if not using Hp Yellow.

1. Clearant x 3 3 minutes each
2. 100% alcohol x 2 1 minute each
3. 95% alcohol 1 minute
4. 70% alcohol 1 minute
5. Distilled or deionized water 1 minute
6. 1% periodic acid 10 minutes
7. Distilled or deionized water rinse
8. Hp Yellow 0.5–2.0 minutes
9. Distilled or deionized water rinse
10. 10% acetic acid 1.5–2.0 minutes
11. Tap water 1 minute
12. Hp Blue 0.5–5.0 minutes
13. Tap water rinse well, 20 seconds
14. 100% ethanol/reagent alcohol x 2 15 seconds with agitation
15. 100% isopropanol 15 seconds with agitation
16. Clearant x 3 1 minute each

Results: *Helicobacter pylori*—dark blue; cytoplasm and nuclei—light blue; Mucus—yellow/green (with use of Hp Yellow)

DISPOSAL

1. Use a licensed waste hauler.
2. Discard into the sanitary sewer system with the approval of local wastewater officials.

SAFETY DATA SHEETS (SDS)

SDS are available online at www.cancerdiagnostics.com.

ORDERING INFORMATION FOR HP STAINS

<u>Cat#</u>	<u>Packaging</u>
870	Hp Blue, 1 quart
876	Hp Blue, 1 gallon
869	Hp Yellow, 1 quart
877	Hp Yellow, 1 gallon
886	1% Periodic Acid, 1 gallon