

**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.

**MSDS**

MSDS are available online at [www.anatechltusa.com](http://www.anatechltusa.com).

**ORDERING INFORMATION FOR HP STAINS**

<u>Cat#</u>	<u>Packaging</u>
869	Hp Yellow, 1 quart
870	Hp Blue, 1 quart
874	1% Periodic Acid, 1 quart
875	10% Acetic Acid, 1 quart
882	Helicobacter Stain Kit