

INTENDED USE

Brazilliant! is a red nuclear stain.

PRODUCT SUMMARY

Brazilliant! is formulated like Harris Hematoxylin, substituting the natural dye Brazilin for Hematoxylin. Brazilin is oxidized to Brazilein with sodium iodate, then complexed with aluminum. Since Hematoxylin and Brazilin dyes differ only by one hydroxyl group, the mechanism of dye to tissue staining is the same. In all likelihood, the aluminum atom forms coordinate bonds to nucleic acids. Additionally, four hydroxyls on the alum-brazilein complex offer sites for hydrogen bonding. At suitably low pH, staining is limited to DNA and RNA.

Brazilliant! may be used where red nuclear staining is desired. Brazilliant! is designed to replace Nuclear fast red, Safranin O or Basic fuchsin in applications calling for a red nuclear stain in conjunction with blue or green special stains such as Alcian blue and various iron reactions (Schmorl's, Perl's, Prussian blue).

INGREDIENTS

Acetic acid, aluminum ammonium sulfate, reagent alcohol, Brazilin, sodium iodate

WARNING

Irritant. Avoid contact with skin. Use with adequate ventilation.

For In Vitro Diagnostic Use.

STORAGE

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

DIRECTIONS FOR USE

1. Special stains should be applied before Brazilliant!. Acidic or alkaline solutions applied after Brazilliant! stain will cause destaining. Exposing sections to bluing agent or tap water before Brazilliant! is recommended when the preceding special stain has a pH below 3.5. The latter will provide darker nuclear staining.
2. Staining time depends upon section thickness, fixation and desired effects. Suggested times are 5-10 minutes. A slight color shift will occur in the 70% alcohol.
3. Rinse Brazilliant! using deionized or distilled water. Do not use tap water.

RECOMMENDED STAINING SCHEDULE

1. Clearant x 33 minutes each
2. 100% alcohol x 21 minute each
3. 95% alcohol1 minute
4. 50% alcohol1 minute
5. Distilled or deionized water x 230 seconds each
6. Apply special stain
7. Tap water1 minute
8. Brazilliant!5-10 minutes
9. Distilled or deionized water1 minute
10. 70% alcohol1 minute
11. 95% alcohol1 minute
12. 100% alcohol x 31 minute each
13. Clearant x 31 minute each

Results: Nuclei-red

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.anatechltdusa.com.

ORDERING INFORMATION FOR BRAZILLIANT!

<u>Cat#</u>	<u>Packaging</u>
861	Brazilliant!, 1 quart
860	Brazilin, 50 g jar