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ProductInformation

BRILLIANT BLUE G-COLLOIDAL CONCENTRATE

Product No. **B 2025**
Store at room temperature

Product Description

Brilliant Blue G-Colloidal Concentrate has been designed for post-electrophoresis staining of proteins in IEF, PAGE, and SDS-PAGE gels. Fixing the proteins prior to staining is recommended for maximum sensitivity.

Instructions for Use

The following reagents are not supplied but are required for post-electrophoresis fixing and staining:

- Fixing Solution, Product No. F 7264
- Acetic Acid, Glacial, Product No. A 6283
- Methanol, Product No. M 3641
- Ammonium Sulfate, ACS Grade, Product No. A 4915

Procedure

1. After electrophoresis, fix the proteins for 30 minutes in Fixing Solution or one hour in a solution of 7% glacial acetic acid in 40% (v/v) methanol.

2. Add 800 ml of deionized water to the bottle labeled Brilliant Blue G-Colloidal Concentrate. Replace the cap and tighten. Mix by inversion. This 1X working solution should not be filtered. Store at 2-8 °C once diluted.

3. Immediately before staining, combine 4 parts of the 1X working solution (from step 2) and 1 part methanol. Mix well by vortexing for 30 seconds. NOTE: If the working solution was not freshly prepared, mix by inversion prior to combining with methanol. The staining suspension containing methanol is stable for 4 hours. Add methanol only to the amount of working solution that will be used at once.

4. Place the gel in staining suspension (from step 3) for 1-2 hours.

5. Destain with 10% acetic acid in 25% (v/v) methanol for 60 seconds with shaking. For gels <1.5 mm thickness, reduce this destaining time to 10-30 seconds.

6. Rinse the gel with 25% methanol, discard, and then destain in 25% methanol for up to 24 hours. If any precipitated dye remains on the surface of the gel, gently wipe with a clean cotton ball or a lab wipe soaked in 25% methanol.

7. Scan gel at 600 nm.

8. Gels may be stored for several weeks in 25% (v/v) ammonium sulfate at room temperature.

References

1. Neuhoff, *et al.*, Electrophoresis **9**, 255 (1988)

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