

BioBlue Gel Stain G250

FAST • ACCURATE • EASY-TO-USE

Protein Visualization Reagent • Instruction Sheet

PRODUCT OVERVIEW

BioBlue™ Gel Stain (Cat. A-0025) is a modified colloidal Coomassie G-250 stain formulated for fast, consistent, and reproducible visualization of total protein content following polyacrylamide gel electrophoresis. The stain preferentially binds proteins, producing dark, distinct bands while minimizing background staining.

BioBlue™ is fully compatible with mass spectrometry and western blot workflows.

PRODUCT DETAILS

CATALOG NUMBER	A-0025
AVAILABLE VOLUMES	500 mL, 1 L
STORAGE	4°C
SHELF LIFE	1 year from date of manufacture

MATERIALS PROVIDED

- BioBlue™ Gel Stain (500 mL or 1 L)
- User Procedure

MATERIALS REQUIRED (NOT SUPPLIED)

- Gel staining tray
- Shaker
- Deionized water

PROCEDURE

1. Gel Rinse

- Rinse gel in deionized water for 5 minutes. Discard rinse water.

2. Optional Fixation

- If gel will not be stained immediately, fix for at least 30 minutes using Gel Fix solution:
 - 10% Methanol
 - 7% Acetic Acid

3. Staining

- Mix BioBlue™ by inverting 3 or more times before use. **Do not shake.**
- Add enough stain to fully cover the gel.

- Agitate gently on a shaker at low speed for uniform staining.
- Typical staining time: **30 minutes**. Extend if protein content is low ($<0.05 \mu\text{g}/\mu\text{L}$) or darker bands are desired.

4. Rinse

- After **30 minutes** or once desired staining intensity is reached, discard stain and briefly rinse gel with deionized water.

5. Destaining

- Add deionized water to cover gel and agitate gently for 30 minutes.
- Repeat if lower background is desired.
- Gel Fix solution may be used for faster destaining.

SAFETY INFORMATION

- **For research use only.**
- Handle all chemicals as potentially hazardous.
- Wear appropriate protective apparel.
- Avoid contamination of protein samples (e.g., keratin).
- Follow all local, state, and federal regulations for reagent handling and disposal.

CONTACT INFORMATION

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