GeneCopoeia™
Expressway to Discovery

eLuminol™ Protein Gel Stain, 1000X

Catalog Number	Packaging Size
P003A	**0.5 mL**
P003B	**1 mL**

Storage upon receipt:
2-25°C
Protect from light
Ex/Em: 300, 460/600 nm

User Manual

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I. Product Description

eLuminol Protein Gel Stain is a high sensitive fluorescent stain designed for detecting proteins in polyacrylamide gels. Compared to traditional Coomassie® stains, **eLuminol Protein Gel Stain** has the following advantages:

- **High sensitivity.** eLuminol can detect as little as 0.2 ng protein.
- **Simple and fast staining.** After electrophoresis, the gel is simply stained, and washed. Take about 90 min.
- **Compatibility with standard laboratory equipment.** Stained protein can be viewed using a 300 nm UV transilluminator, blue light transilluminator or a laser scanner.
- **Wide linear detection range.** At least three orders of magnitude.
- **Compatible with downstream analysis**: Compatible with MS and sequencing.
- **Stable**: Stable at room temperature for 1 year.

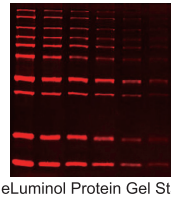
II. Staining Protocol

Note: The protocol is optimized for standard 1 mm thick, 8 cm × 8 cm SDS-PAGE minigels. Larger or thicker gels require additional volumes of reagents or longer incubation times.

1. **Run** gel as usual according to your standard protocol.
2. **Prepare** 1X eLuminol stain solution by diluting 1,000X eLuminol Protein Gel Stain with a combination of water, methanol and acetic acid. For 1 mL of 1,000X eLuminol Stain, add 600 mL of water, 300 mL of methanol, and 100 mL of acetic acid. Store the 1X eLuminol Stain solution in a plastic bottle at room temperature or at 4 °C protected from light.
3. **Stain** gel with 1X eLuminol Stain solution (50~80 mL) at room temperature for 90 min with shaking.
4. **Wash** gel with 100 mL wash solution (10% methanol, 7% acetic acid) for 20 min with shaking.
5. **Image** gel with a 300 nm UV transilluminator, blue light transilluminator or a laser scanner.

III. Using eLuminol Stain as a Post-Stain

1. Image the gel following staining with the first gel stain.
2. Rinse the gel with ultrapure water for 5 minutes. Repeat one more time.
3. Incubate gel with 1X eLuminol sain solution (50~80 mL) at room temperature for 90 min with shaking..
4. Wash gel with 100 mL wash solution (10% methanol, 7% acetic acid) for 20 min with shaking.
5. Image gel with a 300 nm UV transilluminator, blue light transilluminator or a laser scanner.



eLuminol Protein Gel Stain

IV. Related Products

Catalog Number	Product
P001A	Coomassie Blue Fast Stain, 1X, 250 mL
P001B	Coomassie Blue Fast Stain, 1X, 500 mL
P001C	Coomassie Blue Fast Stain, 1X, 1000 mL