

Blue Lightning Stain

Product Description:

Blue Lightning Stain is a ready-to-use R-250 Coomassie stain with a unique formulation for fast and sensitive SDS-PAGE gel staining. This coomassie stain is completely non-hazardous for disposal purposes. Blue Lightning stain is compatible with all different types of protein gels and mass spectrometry analysis.

Content And Storage:

Blue Lightning Stain is provided in a 1 liter volume. Upon receipt or opening of the container, store at room temperature. The stain is stable for 1 year when properly stored at room temperature.

Protocol:

Blue Lightning Stain can be used on common protein gels such as 1mm and 1.5mm Tris-Glycine gels, bis-tris gels, tricine gels, NuPAGE gels and large format gels.

1. Following electrophoresis, remove the gel apparatus and place the gel into a container. Add sufficient water to completely cover the gel, swirl a the container few times and discard water. Repeat gel rinsing for 2 more times. Discard water after final rinse.
2. Add BLS with enough volume to sufficiently cover the gel.
3. Microwave 1 min on high voltage (950-1199W) without boiling the stain.
4. Place the gel on orbital shaker at room temperature for 15min for fast staining or 1h for normal staining.
5. Discard and rinse the gel a few times with deionized water until the protein bands are distinct. BLS cannot be reused and should be discarded.
6. Stained gels can be immediately preserved by gel drying.
7. For crystal clear gel background, destain the gel in deionized water overnight either gentle rocking or using orbital shaker at room temperature.
8. Tip: Tie a Kimwipe into a 'bow tie' and place alongside with gel in deionized water, proceed with gel 'drying'.

*Gel drying solution containing alcohol may cause destaining of protein bands. Limit the gel drying solution.

v i v a n t i s

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