



BlueSafe

Catalogue number: MB15201, 1 L

Description: BlueSafe is a new generation of protein stains. It represents a safer alternative to the traditional Coomassie Blue staining for detecting proteins following SDS-PAGE. BlueSafe is highly sensitive and should be employed as a one-step protein stain. It is safer than Coomassie Blue staining because it does not contain any methanol or acetic acid in its composition. Furthermore, it does not require the use of a destaining solution. Simply run a SDS-PAGE gel, add the stain and watch the bands appear in a few minutes.

Protocol for staining:

1. After running a SDS-PAGE remove the gel from frames and place it in a container.
2. Add ~25 mL of BlueSafe (per gel).
3. Incubate with gentle agitation at room temperature for the time suggested below:

>60 ng protein	10-15 min
10 - 60 ng protein	30-60 min

These times can be reduced by inserting the SDS-PAGE gel with BlueSafe into microwave for 15 seconds.

4. Remove the gel from the BlueSafe staining solution. After staining, contrast can be increased by placing the gel in warmed distilled water for 30 minutes (gentle agitation).

NOTE: This solution may be re-used a few times if stored in appropriate conditions (4 °C).

Protocol for Mass Spec:

1. Following the staining step, excise protein band and transfer it to a clean microcentrifuge tube.
2. Destain the band for 30 minutes by adding 1 ml of 30% ethanol or 30% acetone.
3. Repeat step 2 until all stain is removed (usually 2 or 3 washes are required for complete stain removal).
4. Process as typical for mass spec analysis.

Storage conditions: Store at 4 °C, protected from light. Storage at -20 °C may degrade BlueSafe.

Shipping conditions: Room temperature.

Disposal: Waste must be disposed in accordance with environmental control regulations.

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For research use only.



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