



Blue Stain

Cat No	Pack size
BS1000	1000 ml

Description:

Blue Staine is a alternative to traditional Coomassie Blue staining procedures. This ready-to-use stain does not contain methanol, acetic acid and others hazardous solvents for destaining. The protein bands are visible directly during the staining process in 10-15 min after staining, a simple and quick washing with water yields clear background, allowing optimal sensitivity. The sensitive of detection is up to 10-25 ng under standard procedure.

Storage conditions: Room temperature

Protocol:

Pre-wash: place the SDS-PAGE gel in a clean tray and rinse 10 min x 3 with gentle shaking, use **250-500 ml** ultra-pure water **per 8x 10 cm mini gel**.

Note:
SDS will inhibit the binding of dye with protein,

Stain:

Mix the Blue stain by inverting the bottle several times before use.

Use 12-20 ml (stain solution cover the gel)Blue Stain for an 8x 10 cm mini gel with gentle shaking for 30 min to 1 hr.

The protein bands can be seen directly in 5-15 min.

Destain-background clearance:

Discard the staining reagent and wash with water by alternately following steps:

A. Fast step by microwave or pre-warmed 50-60°C water

Microwave: add 100 ml ultra-pure water per mini gel in the *microwavable stray*, microwave 30 s then gentle shaking for 5 min. Repeat one or two more times to get a clearest background.

Or

Pre-Warmed water: add 100 ml pre-warmed 50-60°C water to the tray, gentle shaking for 5 min. Repeat one or two more times to get a clearest background.

B. Slow step with water at room temperature

Add 200 ml ultra-pure water to the gel in the tray, gentle shaking for 1-2 hour. Change water for 2 or 3 times during incubation is recommended for clearer background.

The gel can be stored in the water at 4°C for sever al weeks.