

Protein gel fast staining solution

Catalog No.: P0088

Size: 500mL

Storage: Store at room temperature for one year, away from light.

Description:

This product is a ready-to-use Coomassie brilliant blue protein staining solution for polyacrylamide gel without fixing and decoloring. Staining will finish in less than an hour. Within 5-10 minutes, protein bands are visible, and background is almost colorless. This staining solution has comparable sensitivity as traditional Coomassie Blue staining, and the detection limit can reach 10 ng if stain overnight. It does not contain toxic or irritating ingredients such as methanol or acetic acid and fully compatible with mass spectrometry detection.

Advantages:

Fast	protein bands show in 10 minutes
Convenient	no need fixation or decolorization
High sensitivity	up to 10 ng
Clear background	stained overnight will not overstaining
Money save	only 25 ml staining solution need per gel

Instructions:

1. After electrophoresis complete, add 150 ml deionized water per gel in cassette, microwave it for 30s and gently rinse 5 minutes on a horizontal shaker to remove residual SDS. Repeat the step two more times.

(This step is critical, which will greatly affect the sensitivity of staining.)

2. Add 25 ml of staining solution to each gel, microwave it for 15 s. Incubate for 15 minutes to 1 hour on a horizontal shaker.
3. The protein bands will gradually appear within 10 minutes and reach 90% staining in an hour.
4. The decolorization is generally not necessary, but will further reduce the background. Add 100 ml of tap water and gently rinse for 10 minutes or longer.

Tips:

1. Crystallizing dish is recommended for rinse, 1 ml tips cassette for staining.
2. You can rinse or stain two gels in one container, just double the deionized water and staining solution.
3. Keep the staining solution at 25°C in dark bottle for up to 1 year.
4. Staining solution is generally not recommended to be recycled. It can be reused at most once if you insist, keep the recovered solution in dark bottle.

Example:

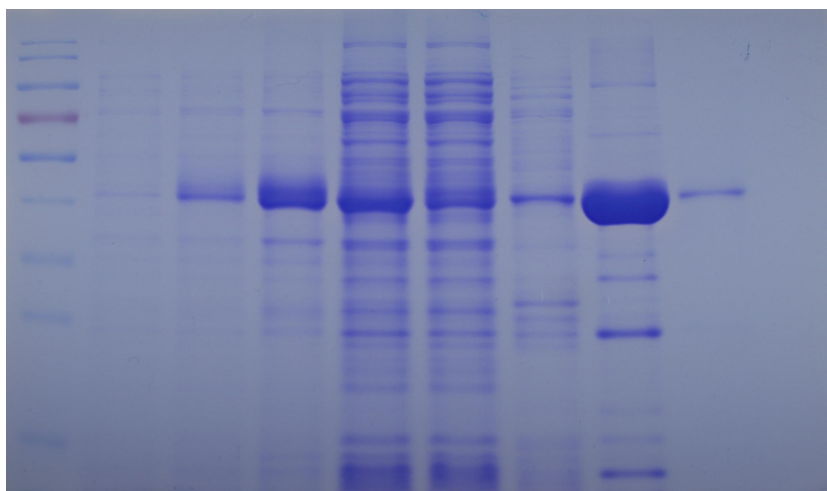


Figure 1. 12%SDS-PAGE, 8cm*8cm*1.5mm, R250, stained 1 h, decolorization 2 h

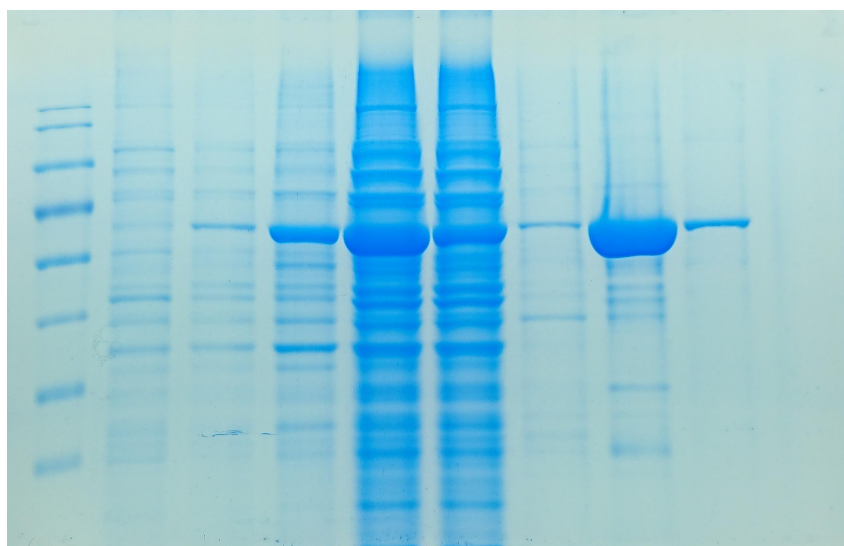


Figure 2. 12%SDS-PAGE, 8cm*8cm*1.5mm, fast stain, stained 30 min