

Product No. 21964

Bullet CBB Stain Lite

Features

- One-step staining in 15 minutes.
No need for washing before staining.
Clear stained image even without destaining.
- Contains no harmful methanol or acetic acid.

* After 15 minutes of staining, you can detect bands without the need for destaining. However, for a clearer stained image, it is recommended to stain and destain for 60 minutes each. Refer to the reference data for more information. <Data 2>.

Protocol

Staining Protocol for Mini-gel

1. Gently mix Bullet CBB Stain Lite by inverting the bottle a couple times before use.
2. Pour 20 mL of Bullet CBB Stain Lite into a container such as Dispotray-S (Product No. 16526). Ensure that the amount used is sufficient to fully immerse the entire gel.
3. After completing electrophoresis, carefully transfer the gel to the container specified in step 2. Gently shake the container at room temperature to allow the gel to stain for 15 minutes.
*Washing before staining is not required.
4. Observe the stained image. For the observation, refer to the reference data under <Data 1>.
5. For a clearer stained image, stain for at least 60 minutes and then destain in purified water for at least 60 minutes. Refer to the reference data under <Data 2>.

Attention

- Wear protective equipment (such as safety goggles, rubber gloves, etc.) while handling Bullet CBB Stain Lite.
- Bullet CBB Stain Lite is an acidic dye solution. After use, discard it in accordance with the regulations in your region.

Storage

Refrigerator

Expiration

Expiration date is stated on the product label.

Packing

- 50 mL (Product No. 21964-24)
- 500 mL (Product No. 21964-95)

Reference Data

<Data1> For observation of the stained image

After 15 minutes of staining, a stained image is visible even if the gel remains in the staining solution. However, for clearer observation, remove the gel from the staining solution and place it on a white board or gently rinse it with purified water.

Image of the gel remaining in the staining

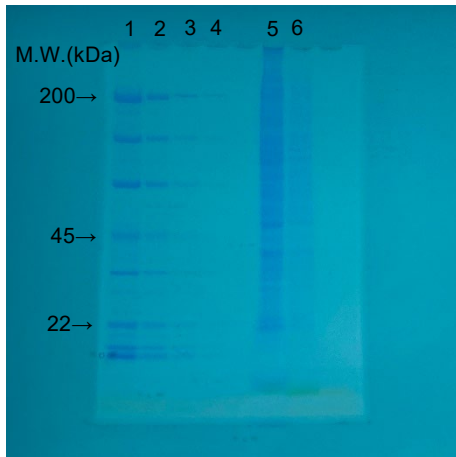


Image of the gel transferred onto a white board

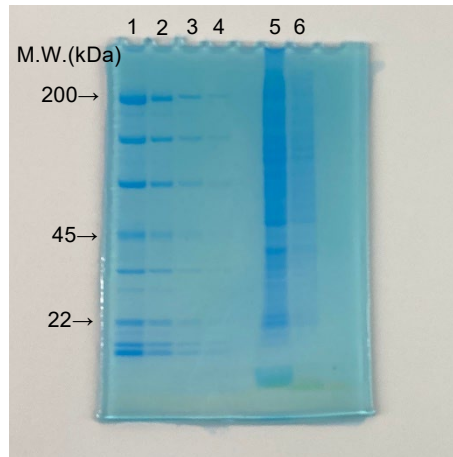
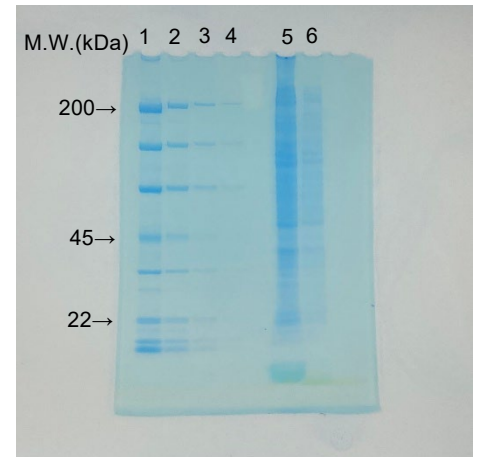


Image of the gel placed in purified water after rinsing



<Experimental conditions>

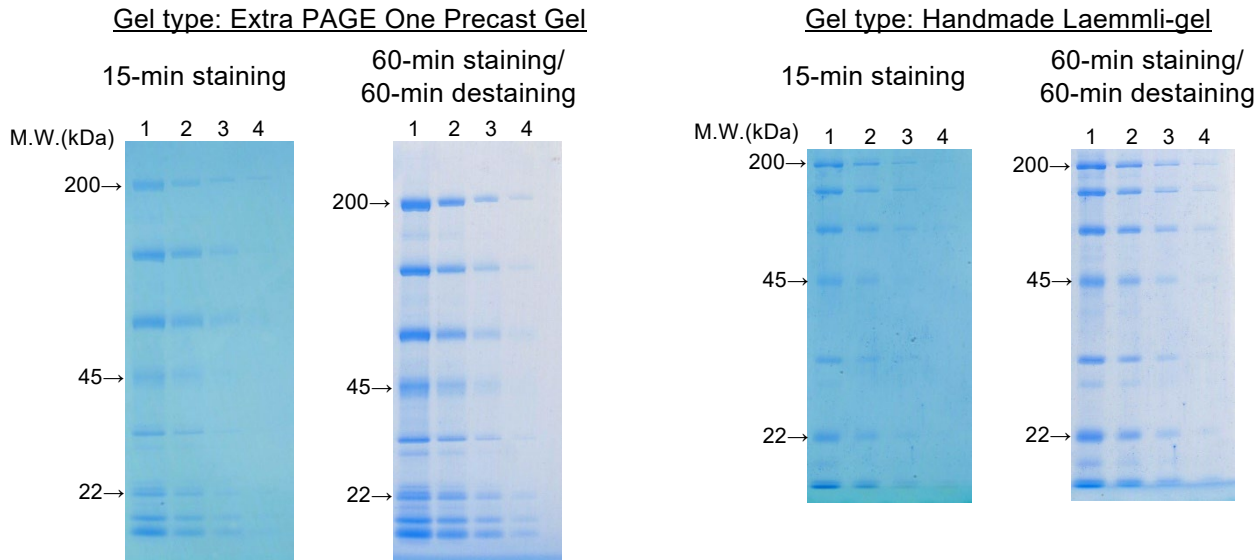
Sample: Protein Markers(10x) for SDS-PAGE (Product No. 29458) prepared 1. 3x, 2. 1x, 3. 1/3x, 4. 1/10x, 2 μ L added. HeLa cell lysate, 5. 10 μ g, 6. 2 μ g, added.

SDS-PAGE: Bullet PAGE Plus Precast Gel, 5-20%, 17wells (Product No. 21794-54). Run at 400 V constant voltage for approx.10 mins.

Detection: Capture using a smartphone.

<Data2> Comparison of stained images between '15-min staining' and '60-min staining/60-min destaining'.

After 15 minutes of staining, stained bands are visible even without destaining. However, for a clearer stained image, it is recommended to stain and destain for 60 minutes each.



<Experimental conditions>

Sample: Protein Markers(10x) for SDS-PAGE (Product No. 29458) prepared 1. 3x, 2. 1x, 3. 1/3x, 4. 1/10x, 2 μL added.

SDS-PAGE: - Extra PAGE One Precast Gel, 5-20%, 13wells (Product No. 13063-74)

Run at 300 V constant voltage for approx.30 mins.

- Handmade Laemmli-gel, 12%, 12wells

Run at 200 V constant voltage for approx.50 mins.

Detection: Capture using a scanner.