

EzWay™ Protein-Blue I Staining Solution

- 1. Catalog No.** K14010
- 2. Description**
- Ready-to-use protein staining solution
 - Highly sensitive: detection of 10ng of BSA
 - Highly sharp protein band formation & Very low background
 - No need for multi-step washing, Water-based destaining
- 3. Storage & Stability** Store at 4-8°C.
- 4. Size** 500 ml (25 mini-gels)
- 5. Sensitivity** > 10 ng protein per band (BSA).
- 6. Procedure**
- Tips before starting: Mix the EzWay™ Protein-Blue I vigorously.**
1. Remove stacking gel from the separating gel.
 2. Rinse the gel with 300 ml of D.W. for 10 minutes with gentle shaking. Repeat 3 times.
**SDS interfere staining procedure; wash thoroughly).*
 3. Add 20 ml of EzWay Protein-Blue I to stain a 10 x 10 cm mini gel. Gently shake tray.
**Additional reagent may be required if a large tray is being used. Stain intensity reaches a maximum within approximately 1 hour. Gels may be stained overnight without increased background.*
 4. For washing, replace staining solution with D.W.
**Several D.W. changes may be necessary for optimal results. This step enhances stain sensitivity.*
 5. Optional washing: for ultra fast washing replace staining solution with 30 % methanol and 10 % acetic acid solution.
- Note:**
1. This protocol is adjusted for 10 x 10 cm mini gel 1 mm thick. Longer procedure is need for thicker gel.
 2. After using EzWay Protein-Blue I, close tightly the cap and store again at 4°C.
- 7. Fast Staining Procedure using Micro Wave**
1. After electrophoresis, place the gel in 100 ml of D.W. in a loosely covered container and microwave on High (950 to 1100 watts) for 1 minute until the solution almost boils.
 2. Shake the gel on an orbital shaker for 1-2 minutes. Discard the D.W.
 3. Repeat Steps 1 and 2 two more times.
 4. After the last wash, add 20 ml (30 ml) of EzWay Protein-Blue I and microwave on high for 45 seconds to 1-1.5 minutes until the solution almost boils.
 5. Shake the gel on an orbital shaker for 5-10 minutes.
 6. Wash the gel in 100 ml of D.W. for 10 minutes on a shaker.
- Caution:**
 Use caution while using the stain in a microwave oven. Do not overheat the staining solutions.
- Note:**
1. The microwave procedure is fast, takes just 12 minutes and yields results with sensitivity as low as 10 ng.
 2. The procedure is for 1.0 mm mini-gels. For 1.5 mm mini-gels, use the values in parentheses.