

EzWay™ Protein-Blue II Staining Solution

- 1. Catalog No.** K14020
- 2. Description**
- Ready-to-use protein staining solution
 - Highly sensitive: detection of 10 ng 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.
- 6. Gel Staining Procedure**
- Tips before starting : Mix the EzWay™ Protein-Blue II 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.*
- Note: If fixation of proteins to the gel is require or grater sensitivity is preferred (down to 10 ng), rinse the gel with 300 ml of D.W. for 10 minutes with gentle shaking, then add 30 ml of fixation solution (30 % methanol, 10% acetic acid) for 30 minutes with gentle shaking.
3. Add 20 ml of EzWay™ Protein-Blue II to stain a 10 x 10 cm mini gel. Gently shake tray. 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.*
- Note:**
1. Washing over night will reduce staining intensity.
 2. After using EzWay™ Protein-Blue II, 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 water.
 3. Repeat Steps 1 and 2 two more times.
 4. After the last wash, add 20-30 ml of EzWay™ Protein-Blue II 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. Detection limit : 10 ng BSA.
 6. Wash the gel in 100 ml of D.W. for 10 minutes on a shaker. Detection limit : 10 ng BSA.
- 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.