



**Catalog No.:** GPS002

**Product Name:** **EZ-Blue Protein Gel Staining Solution**

**Size:** 1000ml

**Description:** **EZ-Blue Protein Gel Staining Solution** is a specially formulated Coomassie Blue-based, ready-to-use, one-step protein staining solution for polyacrylamide gels. It offers an easy and fast protein detection protocol with high sensitivity. It leaves a clear background without the need to fix, wash or destain the protein gels. By eliminating several hazardous materials such as methanol and acetic acid, it offers a safe and environment-friendly option for protein staining method. It is also compatible with mass spectrophotometry.

**Staining Protocol:**

1. Before use, gently mix the bottle containing EZ-Blue Protein Gel Staining Solution up and down few times.
2. After running the protein gel, transfer the gel from the cassette to the EZ-Blue Protein Gel Staining Solution. Make sure that the gel moves freely in staining container to facilitate the dye diffusion. Typically, about 20mL is needed to cover the gel.
3. Lightly agitate the staining box for 10 to 30 minutes at room temperature, or until the desired intensity has been achieved.
4. Carefully remove the Staining Solution and rinse the excess dye with water.
5. Image the gel.

**Technical Note:**

1. There is no risk for over staining. Instead, superior visibility per band may be achieved when the gels are submerged in the EZ-Blue Protein Gel Staining Solution overnight.
2. Make sure to carefully mix EZ-Blue Protein Gel Staining Solution bottle up and down a few times before use.
3. If the gel is thicker than mini-gel (1mm), it will take longer to stain the gel.
4. The staining solution sometimes may contain small blue clumps. This is normal and can be easily dissolved in distilled water.

**Storage:** Store at room temperature.

*This product is for research lab use only.*