



## PRODUCT INFORMATION

**Catalog No.:** GPS003

**Product Name:** EZ-Red Protein Blot Staining Solution

**Size:** 1000ml

**Description:** **EZ-Red Protein Blot Staining Solution** is a specially formulated Ponceaus S dye-based, Protein Staining Solution. It is specifically useful for membrane staining in evaluation of protein transfer efficiency in Western blot experiments. This Staining Solution is recommended for rapid and reversible protein staining on nitrocellulose or PVDF membranes. The Ponceau S staining is reversible and can be removed with a short incubation in a 0.1% NaOH solution.

### Staining Protocol:

1. After the SDS-PAGE Gel has been transferred to a nitrocellulose or PVDF membrane, place the transferred membrane in a staining container.
2. Directly to the container, pour the EZ-Red Protein Blot Staining Solution just enough to cover the whole membrane. Lightly agitate the staining container for 5 to 15minutes at room temperature. Protein bands will be stained and start becoming visible in 5 to 15minutes.
3. Wash away the excessive Staining Solution with water until the protein bands are clear. Take picture in needed to estimate the transfer efficiency.
4. Before membrane blocking step to continue the Western blot experiment, remove the Ponceau S Staining Solution from the membrane by placing the membrane in 20 ml 0.1% NaOH solution for 1 to 2 minutes then rinse in ddH<sub>2</sub>O for 1 to 2 minutes.

### Technical Note:

1. The EZ-Red Protein Blot Staining Solution is ready-to-use solution. There is no need to dilute before use.
2. Make sure to rinse the membrane with water to wash away the 0.1% NaOH solution before further Western steps, such as membrane blocking.
3. Wash membrane in ddH<sub>2</sub>O until distinct reddish-pink protein bands are visible.
4. If desired, mark proteins with waterproof ink or a pencil. Alternatively, a photograph of the stained membrane can also be taken.

**Storage:** Store at room temperature.

*This product is for research lab use only.*