

10X Concentrate Ponceau S Protein Staining Solution

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Catalog Number	Size	Concentration
PS003-L10X	500 mL	10X

Storage Conditions

Stable for up to 12 months at 25°C.

Description

10X Concentrate Ponceaus S Protein Staining Solution is a membrane stain for evaluating the transfer efficiency of a western blot. This stain is recommended for rapid and reversible protein staining on nitrocellulose or PVDF membranes. Ponceau S Protein staining is reversible and can be removed with a short incubation in 0.1% NaOH.

Kit Content(s)

10X Concentrate Ponceau S Protein Staining Solution	500 mL x 1
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Required materials but not provided

Container for membrane staining.

Shaker: orbital or rocking shaker.

Reagent dilution

1. Prepare a 5L amber bottle.
2. Unpack PS003-L10X and pour the liquid content into the bottle.
3. Rinse residual reagent in the original bottle with deionized water.
4. Add deionized water until the volume reaches 5L.

Reaction Setup

1. Make **10X concentrate Ponceau S Protein Staining Solution** into **1X concentrate Ponceau S Protein Staining Solution**.
2. After the SDS-PAGE Gel has been transferred to a nitrocellulose or PVDF membrane, place the transferred membrane in a staining container.
3. Submerge the membrane in a proper amount of 1X Ponceau S Protein Staining Solution that is enough to cover the whole membrane. Lightly agitate the staining container for 5 to 15 minutes at room temperature. Protein bands will be stained and start becoming visible in 5 to 15 minutes.
4. Wash away the excessive stain on the membrane with DI water until the protein bands are clear.
5. For the further membrane blocking step, remove the Ponceau S Staining Solution from the membrane by placing the membrane in 20 ml 0.1% NaOH for 1 to 2 minutes then rinse in DI water for 1 to 2 minutes.

