

PONCEAU S-STAINING SOLUTION

SP04001-500 mL

DESCRIPTION AND USE

Ponceau S is a rapid and reversible stain for detecting protein bands on Western blot membranes and can be used with PVDF, nitrocellulose and cellulose acetate membranes. Microgram quantities of transferred protein can be detected with Ponceau-S Staining Solution, which generates reddish-pink protein bands with a clear background. The limit of detection for this stain is 100 ng BSA/ band transferred to nitrocellulose membranes.

This staining technique is reversible to allow further immunological detection. The limit of detection for this stain is 250 nanograms of protein after separation by electrophoresis in polyacrylamide gels and transferred to nitrocellulose membranes. Ponceau S is a negative stain that binds to the positively charged amino groups of the protein. It also binds non-covalently to non-polar regions in the protein. (Note: Ponceau S is not suitable for use with nylon membranes)

The stain is useful because it does not have a deleterious effect on the sequencing of blotted polypeptides and the user can completely remove it from the protein bands by continued washing.

MATERIALS SUPPLIED

Item	Quantity
Ponceau S-Staining Solution	500 mL

STORAGE AND STABILITY

Store at RT. Do not use after the expiration date stated on the packaging.

SHORT PROCEDURE

- After the protein electrotransfer, rinse brief the membrane in ddH₂O to remove any detergent that could disable the staining.
- 10 min** **Incubate membrane in Ponceau S-Staining Solution at RT**
- 1-5 min** Perform the **membrane washing** in ddH₂O until distinct red protein bands are visible
- 5 min** For **washing** the membrane use 1X TBS-T few times during 5 minutes at RT until protein bands are not perceptible
- Proceed with **blocking step** of Western blot procedure

RELATED PRODUCTS

Product	Reference
Polyphenol Quantification Assay Kit	KB03006
ORAC Assay Kit	KF01004
Anthocyanins Assay Kit	KB03015

FOR RESEARCH USE ONLY