

Ponceau S Solution

Product	Con.	Cat#	Size
Ponceau S Solution	1X	IBS-BP076	1 L
	1X	IBS-BP076a	500 ml

Components : Ponceau S Staining Solution

Storage Conditions : Room Temperature

Description :

Ponceau S stain comes ready-to-use and is designed for rapid (5 min) staining of protein bands on nitrocellulose or PVDF membranes (Western blots) and also for staining protein on cellulose acetate membranes. Ponceau S staining on nitrocellulose and PVDF is reversible by washing the stained membrane with 0.1 M NaOH for 1 min. The stained and destained membrane can then be immunologically detected (Western blotting). For PVDF and nitrocellulose membranes, microgram quantities of transferred protein can be detected with a clear background and red protein bands. 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 which 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.)

Procedure for total protein detection :

1. After electrophoresis, immerse the blotted membrane in a sufficient amount of Ponceau S Staining Solution and stain for 5 minutes. **DO THIS BEFORE BLOCKING**
2. After staining, immerse the membrane in an aqueous solution containing 5% acetic acid (v/v) for 5 minutes, change the aqueous solution, and immerse the membrane for another 5 minutes.
3. Transfer the membrane into water for two washes of 5 minutes each.
4. Remove the membrane and block as normal.