



YamayBio

Ponceau S Staining Solution

QUICK START GUIDE

For research use only.
Not for use in diagnostic procedures.

Contents and Storage

Ponceau S Staining Solution

BM3156 100 mL

Storage: Store at 4 °C for 12 months. The product is shipped at room temperature.

Introduction

Ponceau S is a widely used protein staining reagent for rapid visualization of proteins on blotting membranes. The dye carries a negative charge and binds to positively charged amino acid residues and hydrophobic regions of proteins, producing distinct red bands.

The staining interaction is reversible, allowing the dye to be easily removed by washing with distilled water or PBS without affecting downstream analyses. This product is suitable for detecting proteins on PVDF or nitrocellulose (NC) membranes in Western blot applications and is commonly used to assess protein transfer efficiency.

The reagent provides high sensitivity and convenient operation, with a protein detection limit of approximately 250 ng.

Quick Start Protocol

1. After protein transfer, completely immerse the PVDF or nitrocellulose (NC) membrane in Ponceau S staining solution and gently agitate for 3–5 minutes.
2. Rinse the membrane 2–3 times with distilled water, PBS, or another appropriate solution for 3–5 minutes each time to remove unbound dye until clear red protein bands are visible.
3. After analysis, wash the membrane again 2–3 times with distilled water, PBS, or another suitable solution for 3–5 minutes each time to remove the Ponceau S dye bound to proteins.
4. Proceed with the standard Western blot detection procedure.