

Ponceau S, 1L**PG-397-1L**

Ponceau S Solution is a ready-to-use protein staining reagent widely used in molecular biology, biochemistry, and proteomics laboratories for the rapid and reversible detection of proteins transferred onto nitrocellulose and PVDF membranes following Western blotting. The stain enables visual confirmation of efficient protein transfer, membrane orientation, and equal protein loading prior to immunodetection procedures.

Parameter Specification

Product Name Ponceau S Solution

Description Ready-to-use reversible protein stain for membrane staining

Active Ingredient Ponceau S (Acid Red 112)

Chemical Formula (Ponceau S) $C_{22}H_{12}N_4Na_4O_{13}S_4$

Molecular Weight 760.58 g/mol

Appearance Clear red solution

Concentration 0.1% (w/v) Ponceau S in 5% Acetic Acid

pH 2.0 – 3.0

Solubility Completely miscible with water

Sensitivity Detects approximately 200 ng or more of protein per band

CAS Number (Ponceau S) 6226-79-5

Storage: RT

Safety

Harmful if inhaled, swallowed, or absorbed through skin. Suspected carcinogen. May cause liver, kidney, and central nervous system damage following prolonged or repeated exposure. Use in a well-ventilated area and wear appropriate PPE including gloves, lab coat, and safety goggles. Avoid contact with skin, eyes, and clothing. Store away from heat and incompatible materials.