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Datasheet for MB-072-0500

Ponceau S Solution

Overview

Description:	Ponceau S Solution - MB-072-0500
Item No.:	MB-072-0500
Size:	500 mL
Applications:	WB

Product Details

Background:	Ponceau S Staining Solution is made using Ponceau S. Ponceau S is a sodium salt used for the detection of proteins on PVDF, and nitrocellulose membranes. Staining of blot transfer membranes permits visualization of proteins and allows the extent of transfer to be monitored. Ponceau S binds rapidly and reversibly to the positively charged amino groups and binds non-covalently to non-polar regions in the protein. Ponceau S stain is designed for rapid (5 min) staining on nitrocellulose or PVDF membranes and also for staining protein on cellulose acetate membranes. Microgram quantities of transferred protein will be detected as red protein bands with a clear background. Ponceau S staining on nitrocellulose and PVDF is reversible by washing the stained membrane with dH2O or blocking buffer, this allows further immunological detection.
Synonyms:	Staining, Western Blot membrane stains, PVDF stains, nitrocellulose stain, reversible membrane stain, cellulose acetate membrane stain

Target Details

Purity/Specificity:	Ponceau S Staining Solution contains Ponceau S in a specially formulated acetate buffer for optimal staining results. Ponceau S is a ready-to-use stain that can be used to quickly and reversible stain of proteins on blotting membranes after Western blot transfer. Staining of Nylon membranes is not recommended.
Relevant Links:	• MB-072 SDS • Ponceau S Staining Solution

Application Details

Tested Applications:	WB

Application Note:	Store at room temperature. The product is at working concentration, no further dilution is necessary. The limit of detection for this stain is 200 nanograms of protein after separation by electrophoresis in polyacrylamide gels and transferred to nitrocellulose or PVDF membranes. Ponceau S is not suitable for use with nylon membranes.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	ready to use

Formulation

Physical State:	Liquid
Concentration:	1 X
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store container at room temperature (20° to 26° C).
Expiration:	Expiration date is six (6) months from date of receipt.

Images

Bottle
Ponceau S Solution

References

- McArthur N et al. Development of a pan-tau multivalent nanobody that binds tau aggregation motifs and recognizes pathological tau aggregates. *Biotechnol Prog.* (2024)
- McArthur N et al. Generation of nanobodies with conformational specificity for tau oligomers that recognize tau aggregates from human Alzheimer's disease samples. *Biomatter Sci.* (2024)
- Kim N et al. Shade represses photosynthetic genes by disrupting the DNA binding of GOLDEN2-LIKE1. *Plant Physiol.* (2023)
- Sander H et al. Ponceau S waste: Ponceau S staining for total protein normalization. *Anal Biochem.* (2019)

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