Western Blot Membrane Transfer Buffer (10x) (TBS5092)

Catalog	Unit Size
TBS5092	1000 ml

DESCRIPTION

Tribio Western Blot Membrane Transfer Buffer is a high-performance Tris-Glycine-Carbonate wet transfer buffer optimized for efficient protein transfer from polyacrylamide gels to PVDF and nitrocellulose membranes. Compatible with the EZ BLOT One-Touch Wet Transfer System and **most standard wet transfer units**, it delivers fast, reliable, and reproducible transfer performance across a wide range of protein sizes. The optimized carbonate-enhanced formulation improves transfer efficiency and buffering stability, making it ideal for routine Western blot applications.

COMPATIBLE SYSTEMS

Compatible with:

- EZ BLOT One-Touch Wet Transfer System
- Bio-Rad Mini Trans-Blot® systems
- Invitrogen XCell II™ Blot Module
- Hoefer™ transfer units
- Other conventional wet/tank transfer systems

PROPERTIES

Concentration:	10x
Form:	Liquid
Composition:	Tris, Gly, Na_2CO_3
Storage:	Store at 2–8°C

SYNONYM

- Tris-Glycine-Carbonate Transfer Buffer
- Carbonate-Enhanced Wet Transfer Buffer
- High-Efficiency Western Blot Transfer Buffer
- Wet Transfer Buffer (Tris-Glycine-Carbonate System)
- Enhanced Protein Transfer Buffer
- Rapid Wet Transfer Buffer
- High-Performance Blot Transfer Buffer
- Universal Western Transfer Buffer
- Tank Transfer Buffer
- PVDF/Nitrocellulose Transfer Buffer
- High Molecular Weight Protein Transfer Buffer
- Western Blot Transfer Buffer (Carbonate System)

APPLICATION

- Western blot protein transfer
- Wet/tank transfer workflows
- High molecular weight protein transfer
- Routine protein expression analysis
- Research and diagnostic laboratory applications

MAIN FEATURES

- Optimized Tris-Glycine-Carbonate formulation
- Fast and reproducible wet transfer performance
- Excellent compatibility with PVDF and nitrocellulose membranes
- Improved transfer efficiency for high molecular weight proteins
- Stable buffering capacity for consistent transfer conditions
- Compatible with most standard wet transfer systems
- Suitable for routine and high-throughput Western blot workflows

DIRECTIONS FOR USE

1. Dilute the buffer to 1× working solution with deionized water if provided as concentrate.
2. Pre-chill buffer to 4°C for optimal transfer performance (optional but recommended).
3. Assemble SDS-PAGE gel and membrane (PVDF or nitrocellulose) according to standard wet transfer setup.
4. Fully immerse gel/membrane sandwich in transfer buffer inside the transfer tank.
5. Run wet transfer under appropriate conditions (commonly 60–120 min at 100–120 V or optimized per protein size and system).
6. After transfer, proceed with standard blocking and immunodetection steps.

Note: Transfer conditions may be optimized depending on protein molecular weight and instrument used.

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RELATIVE PRODUCTS

TBS2005	Protein Assay Kit
TBS5001	Protein Lysis Buffer
TBS5003-0	1xPBS
TBS5008	TBS
TBS5008T	TBST
TBS5011-10	10 x PBST
TBS5014	6x SDS Protein Loading Buffer
TBS5015	10x SDS-PAGE Running Buffer
TBS5016	10x PAGE-gel transfer buffer
TBS5017	RIPA Buffer
TBS5019	2x Protein Sample Buffer
TBS5020	Stripping Buffer
TBS5037	Urea Solution (8M)
TBS5038	Ammonium Sulfate Solution
TBS5040	0.5M EDTA Solution
TBS5041	MOPS Buffer
TBS5048	2% BSA in PBS
TBS5049-2	2% BSA in TBST
TBS5049-5	5% BSA in TBST
TBS5057	0.1% BSA ELISA Assay Buffer
TBS5077	Antigen retrieval Citrate Solution-pH6.0
TBS5082	0.5M TCEP-HCl Solution
TBS5087	10% BSA Blocking PBS Solution
TBS8024	MCF10 Cell Complete Medium
TBS8027	EMEM with L-Glutamine
TBS8030	McCoy's 5A Medium
TBS8031	30% BSA Solution in DPBS
TBS8047	MCF-7 Cell Complete Medium
TBS8056	LB Medium
TBS8057	SOB Medium
TBS8058	SOC Medium
TBS8059	2x YT Medium
TBS8060	Terrific Broth (TB) Medium
TBS8061	DMEM-high Glucose Medium

This product is for research use only.