

Western Blot Tool Box

Your Essential Kit for Streamlined Western Blotting

The Western Blot Tool Box is your comprehensive solution for Western blotting. This all-in-one kit includes everything needed for the entire blotting procedure—from cell lysis and protein quantification to protein separation, transfer, antibody incubation, and chemiluminescent detection. Designed for convenience and efficiency, each component is also available separately to suit your specific research needs.



Product content of #BOX12-03

Special Characteristics:

1. An all-in-one: Contains all essential reagents and buffers for Western blotting.
2. Freshness Guaranteed: Individual packaging ensures each buffer is fresh when used.
3. Extended Durability: Enjoy a longer shelf life, reducing waste and frequent reordering.

Product Content		BOX12	BOX12-03	Content
RIPA Cell Lysis Buffer (5X)	#RP05-10	●	●	10 mL
Dual-Range BCA Protein Assay Kit	#BC03-100	●	●	500 microplate assays
SDS-PAGE Running Buffer	#RB500	●	●	10 Powder Packs , one pack for making 500 ml of 1X solution
Western Blot Transfer Buffer	#WTB500	●	●	10 Powder Packs , one pack for making 500 ml of 1X solution
BlockPRO Protein-Free Blocking Buffer (20X)	#BF20-50	●	●	10 Packs, one pack for making 50 ml of 1X solution
TBS Tween-20 Buffer (25X)	#TBST200	●	●	10 Packs, one pack for making 200 ml of 1X solution
LuminolPen, HRP System	#LH03-10	-	●	1 Pen
LumiFlash Ultima Chemiluminescent Substrate, HRP System	#LF08-100	●	●	50 ml Soln A + 50 ml Soln B



The easy-use buffer pack makes preparation of buffers easier and convenient than before.

ALL YOU NEED FOR WESTERN BLOTTING

01

CELL LYSIS

RIPA CELL LYSIS BUFFER

RIPA Cell Lysis Buffer is used to lyse mammalian cells from adherent or suspension cells in culture.

02

PROTEIN QANTIFICATION

DUAL-RANGE™ BCA PROTEIN ASSAY KIT

Dual-Range™ BCA Protein Assay Kit is used for quantitation of total protein in the 5–2,000 µg/mL concentration range. It's compatible with many detergents such as SDS and triton X-100.

03

PROTEIN SEPARATION

SDS-PAGE RUNNING BUFFER

The SDS-PAGE Running Buffer is a Tris-Glycine-SDS buffer (pH 8.3) which is the most commonly used buffer for sodium dodecyl sulfate–polyacrylamide gel electrophoresis (SDS-PAGE) of proteins.

04

PROTEIN TRANSFER

WESTERN BLOT TRANSFER BUFFER

The Western Blot Transfer Buffer is a Tris-Glycine buffer (pH 8.3). Tris-glycine buffer is used to make a Tris-glycine-methanol transfer buffer, which is the most common protein transfer buffer for Western blotting.

05

BLOCKING

BLOCKPRO™ PROTEIN-FREE BLOCKING BUFFER

BlockPRO™ Protein Free Blocking Buffer is a non-protein formulation which enhances sensitivity and minimizes background noise, presenting better results than traditional protein-based blocking buffer in immunoassays. It's suitable for PVDF and nitrocellulose platform, avidin/biotin system, detection of phosphoprotein, and other immunochemical applications.

06

WASHING

TBS TWEEN-20 BUFFER

The tris buffered saline and tween 20 (pH 7.4) are in a 25X concentration for using as a wash buffer in immuno-labeling techniques.

07

DATA MANAGEMENT

LUMINOLPEN™, HRP SYSTEM

The LuminolPen™ HRP System is a chemiluminescent marker pen designed for precise data management in Western blotting. Visible blue ink reacts with ECL substrates, allowing annotations directly on PVDF or NC membranes. Use it to mark pre-stained protein positions, experiment conditions, and operation dates before blocking. Simplify your process with clear, effective documentation.

08

DETECTION

LUMIFLASH™ ULTIMA CHEMILUMINESCENT SUBSTRATE

LumiFlash™ Ultima Chemiluminescent Substrate, HRP is an advanced ECL product with detection sensitivity of low pg level, in terms of efficacy and sensitivity for chemiluminescent detection of immobilized proteins (Western blotting and ELISA).

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