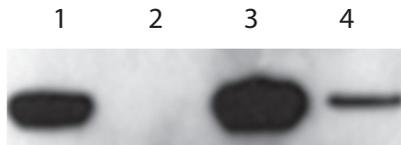


Enhanced Western Blotting from AMRESCO

One convenient solution produces superior results



8% BSA Diluent



Antibody Signal Enhancer

Antibody Signal Enhancer improves western blot detection. Data courtesy of Eckhard Jankowsky, Ph.D. Case Western Reserve University, Cleveland, OH. Protein samples were separated on an SDS-PAGE and transferred to PVDF paper. The PVDF paper was blocked with 8% BSA and probed with primary and secondary antibodies also in 8% BSA. The blot was developed and the image was captured. After stripping the blot, the PVDF paper was blocked with 10% milk and probed with primary and secondary antibodies in Antibody Signal Enhancer. The blot was developed and the image was captured.

"Antibody Signal Enhancer enhanced the western signal greater than [BSA]. . .and detected one extra band in the second lane. I am very happy [with the results]."

Zhaofeng Gao

Jankowsky Lab

Case Western Reserve University
Cleveland, OH

Antibody Signal Enhancer

Ready-to-use antibody diluent provides superior Western blot signals

Get Better Results

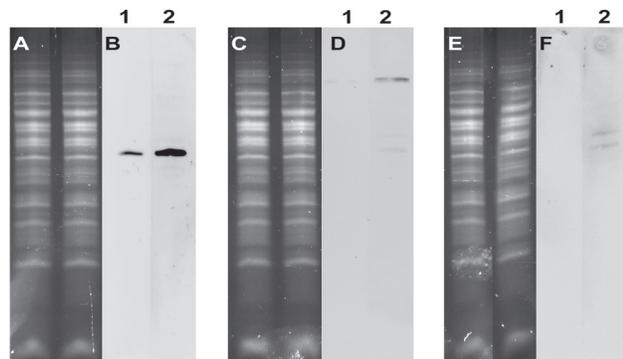
Intensify Western blot signals up to 5X compared to traditional blotting procedures.

Added Convenience

Reduce antigen and reagent use for overall cost savings and saves you time without the need for additional incubation steps.

A Simple Switch

Protein-free solution eliminates cross-reactivity to antibodies and can replace TBS-T or other common buffers used in Western blotting.

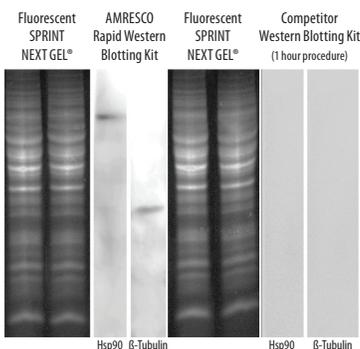


Comparison of Western blots with Antibody Signal Enhancer as antibody diluent versus conventional diluent. Cytoplasmic protein (5 µg/lane) isolated from K562 cells using AMRESCO's Cytoplasmic & Nuclear Protein Enrichment Kit (M330) was resolved on a 10% Fluorescent SPRINT NEXT GEL® (A, C, E). The total protein was viewed on a transilluminator prior to semi-dry transfer to PDVF using Rapid Transfer Buffer (N789). The blot was blocked in RapidBlock™ and then divided for overnight incubation in various antibodies diluted in TBST/5% non-fat dry milk (B1, D1, F1) or Antibody Signal Enhancer (B2, D2, F2). The blots were washed and then incubated for 1 hour in goat anti-rabbit HRP antibody diluted in the same diluent as the primary antibody. The blots were washed and detected with VisiGlo™ HRP Chemiluminescent Substrate Kit (N219). Antibodies: 1:2,000 β-actin (B), 1:250 Hsp90 (D), 1:2,000 NF-κβ (F).

Description	Product Code	Pack Size
Antibody Signal Enhancer Sufficient for 10 blots. Sufficient for 25 blots. Sufficient for 50 blots.	M336-200ML	200 ml
	M336-500ML	500 ml
	M336-1L	1 L

Rapid Western Blotting Kits

Western blotting from transfer to development in less than 90 minutes



HSP90 and β-Tubulin detection with AMRESKO's Rapid Western Blotting Kit compared to a competitor's kit. 10 µg per lane of cytoplasmic proteins isolated from K562 cells was resolved on a 12.5% Fluorescent SPRINT NEXT GEL®. Proteins were transferred onto PVDF membranes with a semi-dry transfer unit for 10 minutes with the included Rapid Transfer Buffer. The blot was blocked, cut into strips and stained with HSP90 and β-tubulin antibodies with either Rapid Western Blotting Kit or a competitor kit. Distinct bands were observed using the Rapid Western Blotting Kit, while no signal could be detected using the competitor's kit.

Convenience Products from AMRESKO

Description	Product Code	Pack Size
PROTEIN ELECTROPHORESIS		
Acryl/Bis™ 37.5:1 Solution 40% (w/v) solution containing 38.96% acrylamide and 1.04% bis-acrylamide for a monomer to cross-linker ratio of 37.5 to 1.	0254-500ML	500 ml
APS/TEMED Tablets Pre-measured tablets for ultra-convenient preparation of a working APS/TEMED solution.	N310-100TAB	100 tablets
TG-SDS Buffer, 10X Solution Convenient stock solution for protein electrophoresis.	0783-4L	4 L
TG-SDS Buffer, 10X Ready-Pack™ TG-SDS buffer powder blend pre-measured in ready-to-use packs.	0147-2PK	2 packs
TG Buffer, 10X Ready-Pack™ TG buffer powder blend pre-measured in ready-to-use packs.	0251-2PK	2 packs
RELATED PRODUCTS FOR WESTERN BLOTTING		
Rapid Western Blotting Kit - Mouse - SDT* Convenient kit enables Western Blotting from transfer to development in less than 90 minutes. Each kit supplies enough material for 15 blots. Kit includes:	N790-KIT	1 kit
<ul style="list-style-type: none"> • Rapid Transfer Buffer, 10X • RapidBlock™ Solution, 10X • Rapid Antibody Diluent, 10X • Secondary HRP Conjugated Antibody • Rapid Wash Solution, 20X 		
Rapid Western Blotting Kit - Rabbit - SDT	N791-KIT	1 kit
Rapid Western Blotting Kit - Goat - SDT	1B1322-KIT	1 kit
Rapid Western Blotting Kit - Rat - SDT	1B1323-KIT	1 kit
Rapid Western Blotting Kit - Mouse - WT**	N792-KIT	1 kit
Rapid Western Blotting Kit - Rabbit - WT	N793-KIT	1 kit
Rapid Western Blotting Kit - Goat - WT	1B1324-KIT	1 kit
Rapid Western Blotting Kit - Rat - WT	1B1325-KIT	1 kit
Rapid Transfer Buffer, 10X Simple, one component system for transfer of proteins to blots in just 10-20 minutes.	N789-4L	4 L
<ul style="list-style-type: none"> • Compatible with both wet & semi-dry transfer equipment • Methanol-free, non-hazardous formulation 	N789-1L	1 L
RapidBlock™ Solution, 10X Blocks Western blot membranes in just 5 minutes.	M325-100ML	100 ml
<ul style="list-style-type: none"> • Protein-free formulation • Reduces cross-reactivity • Enhances chemiluminescent signal 	M325-15ML	15 ml

*SDT - semi-dry transfer; **WT - wet transfer