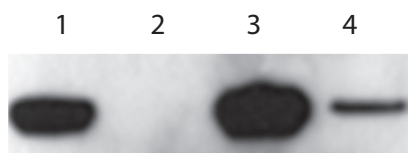
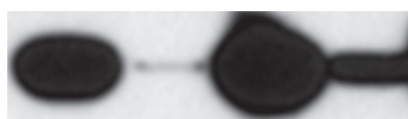


## Enhanced Western blotting from AMRESCO

*One convenient solution provides improved 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 (M336). The blot was developed and the image was captured.

## Antibody Signal Enhancer

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

### Get Better Results

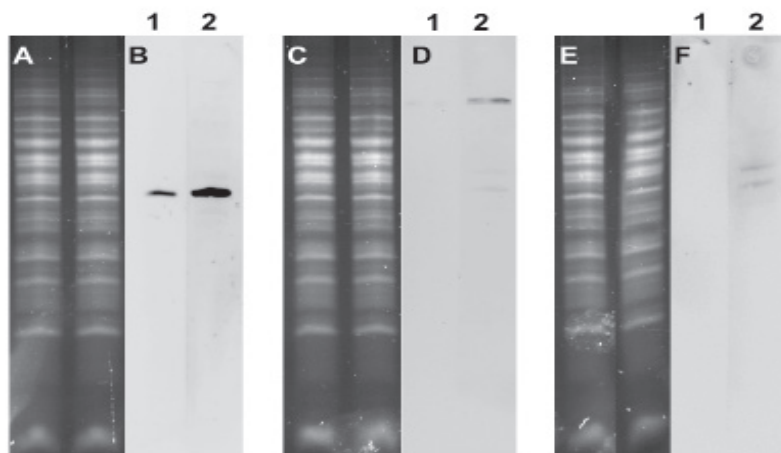
Intensify Western blot signals up to **5X** compared to traditional blotting procedures.

### 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® (M317) (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 (M336) (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).

*"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]."*

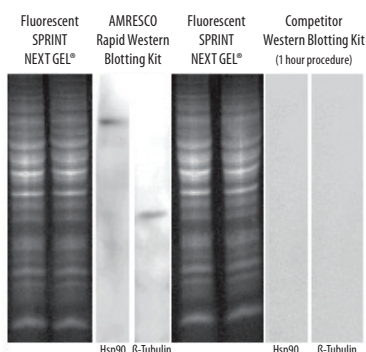
**Zhaofeng Gao**  
Jankowsky Lab  
Case Western Reserve University  
Cleveland, OH

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

## Convenience Products from AMRESCO

### Rapid Western Blotting Kits

*Western blotting from transfer to development in less than 90 minutes*



**HSP90 and β-Tubulin detection with AMRESCO's Rapid Western Blot 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 AMRESCO's Rapid Western Blot Kit or a competitor's kit. Distinct bands were observed using the Rapid Western Blot Kit, while no signal could be detected using the competitor's kit.

Description	Product Code	Pack Size
<b>PROTEIN ELECTROPHORESIS</b>		
<b>ACRYL/BIS 37.5:1 Solution</b> 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
<b>APS/TEMED Tablets</b> Pre-measured tablets for ultra-convenient preparation of a working APS/TEMED solution.	N310-100TAB	100 Tablets
<b>TG-SDS Buffer, 10X Solution</b> Convenient stock solution for protein electrophoresis.	0783-4L	4 L
<b>TG-SDS Buffer, 10X Ready-Pack™</b> TG-SDS buffer powder blend pre-measured in ready-to-use packs.	0147-2PK	2 Pack
<b>TG Buffer, 10X Ready-Pack™</b> TG buffer powder blend pre-measured in ready-to-use packs.	0251-2PK	2 Pack
<b>RELATED PRODUCTS FOR WESTERN BLOTTING</b>		
<b>Rapid Western Blotting Kit - Mouse - SDT*</b> Convenient kit enables Western Blotting from transfer to development in less than 90 minutes. Kit includes: <ul style="list-style-type: none"> <li>Rapid Transfer Buffer, 10X</li> <li>RapidBlock™ Solution, 10X</li> <li>Rapid Antibody Diluent, 10X</li> <li>Secondary HRP Conjugated Antibody</li> <li>Rapid Wash Solution, 20X</li> </ul>	N790-KIT	1 Kit
<b>Rapid Western Blotting Kit - Rabbit - SDT*</b>	N791-KIT	1 Kit
<b>Rapid Western Blotting Kit - Mouse - WT*</b>	N792-KIT	1 Kit
<b>Rapid Western Blotting Kit - Rabbit - WT*</b>	N793-KIT	1 Kit
<b>Rapid Transfer Buffer, 10X</b> Simple, one component system for transfer of proteins to blots in just 10-20 minutes. <ul style="list-style-type: none"> <li>Compatible with both wet &amp; semi-dry transfer equipment</li> <li>Methanol-free, non-hazardous formulation</li> </ul>	N789-1L N789-4L	1 L 4 L
<b>RapidBlock™ Solution, 10X</b> Blocks Western blot membranes in just 5 minutes. <ul style="list-style-type: none"> <li>Protein-free formulation</li> <li>Reduces cross-reactivity</li> <li>Enhances chemiluminescent signal</li> </ul>	M325-15ML M325-100ML	15 ML 100 ML

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



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