

Materials List for

Ultra-High-Speed Western Blot using Immunoreaction Enhancing Technology

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Yasuhiro Katagiri	Higashi, S.L., Yagyu, K., Nagas	Higashi, S.L., Yagyu, K., Nagase, H., Pearson, C.S., Geller, H.M., Katagiri, Y. Ultra-High-		
katagiry@nhlbi.nih.gov	Speed Western Blot using Imm doi:10.3791/61657 (2020).	Speed Western Blot using Immunoreaction Enhancing Technology. <i>J. Vis. Exp.</i> (), e61657, doi:10.3791/61657 (2020).		
Date Published	DOI	URL		
September 26, 2020	10.3791/61657	jove.com/video/61657		

Materials

Name	Company	Catalog Number	Comments
14 mL Round Bottom High Clarity PP Test Tube, Graduated, with Snap Cap	Falcon	352059	
Apollo Transparency Film for Laser Printers	N/A	N/A	Any kinds of Laser Printer Transparency Film are fine.
Azure Imaging System 600	Azure Biosystems	Azure 600	Any kind of Image Acquiring Sytem is fine for chemiluminescent and/or fluorescent detection.
Can Get Signal Immunoreaction Enhancer Solution	ТОУОВО	NKB-101	
CARNATION Instant Nonfat Dry Milk	Carnation	N/A	
ECL anti-mouse IgG, Horseradish peroxidase linked F(ab')2 fragment from sheep	GE Healthcare	NA9310V	
ECL anti-rabbit IgG, Horseradish peroxidase linked F(ab')2 fragment from donkey	GE Healthcare	NA9340V	
HYBAID Micro-4	N/A	N/A	Any hybridization oven is fine as long as the tubes are rotated evenly at a horizontal position.
Immobilon-P PVDF Membrane, 0.45 µm pore size	Millipore Sigma	IPVH304F0	
IRDye 680RD Goat anti-Mouse IgG Secondary Antibody	LICOR	926-68070	
IRDye 800CW Goat anti-Rabbit IgG Secondary Antibody	LICOR	926-32211	
KPL LumiGLO Reserve Chemiluminescent Substrate	seracare	5430-0049	
Mouse anti-ß actin antibody	Millipore Sigma	A5316	
Odyssey Blocking Buffer (PBS)	LICOR	927-40100	Blocking Buffer for fluorescent detection



OXO Salad Spinner	ОХО	32480V2B	Any salad spinner is fine as long as the PVDF membranes are rinsed vigorously without tear.
Parafilm Sealing Film	Bemis	Parafilm M PM996	semi-transparent flexible film
Polyethylene Flat-Top Screw Caps for 50 mL Conical Bottom Centrifuge Tubes	Falcon	352070	
Rings to hold 14 ml tube in the center of 50 ml tube	N/A	N/A	Prepared in a machine shop
Rabbit anti-6X His tag antibody	Abcam	ab9108	
Tween20	Millipore Sigma	P2287	