

invitrogen



WESTERN BLOTTING

A bright new path to western blotting starts here

Laboratory supply checklist

For more information or to obtain a quote, please contact your Fisher Scientific sales representative.

Find it at fishersci.com or fishersci.ca

 **fisher scientific**
part of Thermo Fisher Scientific

Get on your way to producing exceptional western blots and clear images

Move forward with confidence using a wide selection of high-performance Thermo Scientific™ and Invitrogen™ western blotting reagents and devices

Whether you are starting a new research journey or persevering through a multi-year project, great western blots are built upon a foundation of high-yield protein preparation and clear protein gel electrophoresis.

Leverage our handpicked highlights to support your western blot experiments from start to finish.

Protein extraction reagents

Obtain high protein yields and preserve protein activity.



Ordering information

Product	Quantity	Cat. No.
RIPA Lysis and Extraction Buffer	250 mL	PI89901
Thermo Scientific™ Mem-PER™ Plus Membrane Protein Extraction Kit	300 mL	PI89842
Thermo Scientific™ Pierce™ Universal Nuclease for Cell Lysis	5 kU	PI88700
Lysozyme	5 g	PI89833
Subcellular Protein Fractionation Kit for Cultured Cells	35 mL	PI78840
Pierce Protease Inhibitor Mini Tablets, EDTA-free	30 tablets	PIA32955
Thermo Scientific™ Halt™ Protease Inhibitor Mini Tablets	30 tablets	PIA32953

View more at fishersci.com/thermo-protein-extraction or fishersci.ca/thermo-protein-extraction

Protein cleanup

We offer a variety of resins and specialty devices that efficiently remove salts and small-molecule contaminants, such as detergents, from samples. They are offered in multiple flexible formats and are designed to provide efficient and consistent performance for high sample recoveries.



Ordering information

Product	Shop now
Desalting spin columns	View options
Mini dialysis units	View options
Micro dialysis systems	View options
Ultrafiltration filters and devices	View options

Choose the right dialysis and desalting products for your experiments at fishersci.com/thermo-dialysis-desalting or fishersci.ca/thermo-dialysis-desalting

Protein assays

Measure total protein concentration with high accuracy using these multiwell protein assays.



Ordering information

Product	Quantity	Cat. No.
Pierce Dilution-Free Rapid Gold BCA Protein Assay Kit	500 mL	A55860
Pierce Bradford Plus Protein Assay Kit with Dilution-Free BSA Protein Standards	950 mL	A55866
Pierce BCA Protein Assay Kit with Dilution-Free BSA Protein Standards	1 L	A55864
Pierce Dilution-Free BSA Protein Standards, multichannel pipette compatible	7 x 1 mL	A55863

Protein gel welcome packs

Our gel electrophoresis welcome packs are a budget-friendly solution containing a gel tank and the precast gels, reagents, and buffers needed to jump-start your experiment. Each pack includes:

- Sample buffer
- Running buffer
- 2 boxes of gels (mini or midi)
- Mini or midi gel tank
- Protein ladder



Ordering information

Product	Quantity	Cat. No.
Invitrogen™ Bolt™ Bis-Tris Plus Mini Gel Welcome Pack, 4–12%, 12-well	1 kit	NW0412C
Invitrogen™ NuPAGE™ Bis-Tris Welcome Pack, 4–12%, 12-well	1 kit	NP032B
Invitrogen™ Novex™ WedgeWell™ Tris-Glycine Welcome Pack, 4–20%, 12-well	1 kit	XP0420B
NuPAGE Tris-Acetate Welcome Pack, 3–8%, 12-well	1 kit	EA0375B
Invitrogen™ Novex™ Tricine Welcome Pack, 10–20%, 12-well	1 kit	EC6625B

Get up to 50% off gel electrophoresis equipment and supplies

Learn more and save at fishersci.com/invitrogen-electro-save or fishersci.ca/invitrogen-electro-save

Gel electrophoresis—mix and match

Pick and choose from an extensive selection of precast gels and DIY solutions to cast your own gels. Add your favorite protein ladder, gel tank, and touchscreen electrophoresis power supply.



Ordering information

Product	Quantity	Cat. No.
Bolt Bis-Tris Plus WedgeWell precast protein gels, mini	1 box of 10 gels	View options
NuPAGE Tris-Acetate Mini Protein Gels, 3–8%	1 box of 2–10 gels	View options
NuPAGE Tris-Acetate Midi Protein Gels, 3–8%	1 box of 10 gels	View options
NuPAGE Bis-Tris Mini Protein Gels, 4–12%	1 box of 2–10 gels	View options
NuPAGE Bis-Tris Midi Protein Gels, 4–12%	1 box of 10 gels	View options
Invitrogen™ SureCast™ Gel Handcast Kit A - Hardware and Reagents	1 kit	HC1000SR
Mini Gel Tank	1 unit	A25977
Invitrogen™ SureLock™ Tandem Midi Gel Tank	1 unit	STM1001
Thermo Scientific™ PageRuler™ Plus Prestained Protein Ladder, 10–250 kDa	2 x 250 µL	PI26619
Invitrogen™ iBright™ Prestained Protein Ladder	2 x 250 µL	LC5615
Invitrogen™ HiMark™ Prestained Protein Standard	250 µL	LC5699
PageRuler Unstained Broad Range Protein Ladder	2 x 250 µL	PI26630
Invitrogen™ PowerEase™ Touch 120W Power Supply	1 device	PS0120
PowerEase Touch 350W Power Supply	1 device	PS0350
PowerEase Touch Welcome Packs	Various	View options

Learn more

Precast gel options: fishersci.com/invitrogen-precaster-gels or fishersci.ca/invitrogen-precaster-gels

Electrophoresis chambers: fishersci.com/invitrogen-gel-epp-equip or fishersci.ca/invitrogen-gel-epp-equip

Protein ladders and standards: fishersci.com/invitrogen-pro-markers or fishersci.ca/invitrogen-pro-markers

Power supplies: fishersci.com/invitrogen-powerease or fishersci.ca/invitrogen-powerease

Wet tank transfer modules, reagents, and membranes

Our nitrocellulose and PVDF membranes, blotting paper, and blocking buffers transfer your proteins and keep you moving to great western blot results.



Ordering information

Product	Quantity	Cat. No.
Mini Blot Module (for Mini Gel Tank)	1 unit	B1000
SureLock Tandem Midi Blot Module	1 unit	STM2001
Invitrogen™ Invitrolon™ PVDF/Filter Paper Sandwich, 0.45 µm pore size	20/pack	LC2005
PVDF/Filter Paper Sandwich, 0.2 µm pore size	20/pack	LC2002
Low-Fluorescence PVDF Transfer Membrane, 7 cm x 8.4 cm	10 sheets	PI22860
PVDF Transfer Membrane, 0.2 µm, 3.75 m x 26.5 cm	1 roll	PI88520
Nitrocellulose/Filter Paper Sandwich, 0.2 µm pore size	20/pack	LC2000
Nitrocellulose/Filter Paper Sandwich, 0.45 µm pore size	20/pack	LC2001
Nitrocellulose Membrane, 0.45 µm, 30 cm x 3.5 m	1 roll	PI88018
Western Blotting Filter Paper, 8 cm x 10.5 cm	100 sheets	PI88600
Bolt Transfer Buffer (20X)	1 L	BT00061
Novex Tris-Glycine Transfer Buffer (25X)	500 mL	LC3675
NuPAGE Transfer Buffer (20X)	1 L	NP00061

Find membrane options at fishersci.com/invitrogen-membranes or fishersci.ca/invitrogen-membranes

Rapid transfer devices and consumables

Got a need for speed? Leverage the convenience and time savings of rapid semi-dry and dry blotting devices.



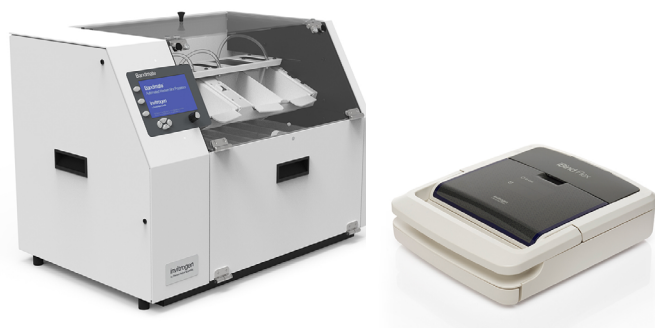
Ordering information

Product	Quantity	Cat. No.
Invitrogen™ iBlot™ 3 Starter Kit, nitrocellulose	1 kit	IB31001S
iBlot 3 Starter Kit, PVDF	1 kit	IB31002S
iBlot 3 Transfer Stacks	10 stacks/pack	View options
Bolt Welcome Pack with iBlot 3 System	1 pack	NW0412AIB3
Power Blotter Welcome Pack	1 device/kit	PB0112
Power Blotter XL Welcome Pack	1 device/kit	PB0113
Power Blotter Select Transfer Stacks, PVDF or nitrocellulose, mini or regular stack sizes	10 stacks/pack	View options
	40 stacks/pack	

Learn more at fishersci.com/invitrogen-membranes or fishersci.ca/invitrogen-membranes

Automated western blot processing

Automated western blot processors such as the Invitrogen™ iBind™ and Bandmate™ systems can streamline the immunodetection process, while still providing consistent and reproducible results.



Ordering information

Product	Quantity	Cat. No.
iBind Flex Western Starter Kit	1 device/kit	SLF2000S
iBind Western Starter Kit	1 kit	SLF1000S
iBind Flex Cards	10 cards	SLF2010
iBind Flex Solution Kit	1 kit	SLF2020
iBind Cards	10 cards	SLF1010
iBind Solution Kit	1 kit	SLF1020
Bandmate Automated Western Blot Processor	1 device	BW1000

Protein stains and total protein normalization reagent

Confirm the quality of the separation and the transfer efficiency before immunodetection. Choose Invitrogen™ No-Stain™ Protein Labeling Reagent to combine rapid, flexible visualization of gels or blots with accurate total protein normalization.



Ordering information

Product	Quantity	Cat. No.
No-Stain Protein Labeling Reagent (trial size)	10 reactions	A44717
No-Stain Protein Labeling Reagent	40 reactions	A44449
Invitrogen™ SimplyBlue™ SafeStain	1 L	LC6060
Ponceau S Staining Solution	500 mL	A40000279
	1,000 mL	A40000278
Invitrogen™ SYPRO™ Ruby Protein Blot Stain	200 mL	S11791

Secondary antibodies

Our sensitive HRP and fluorescent secondary antibodies, including Invitrogen™ Alexa Fluor™ Plus antibodies, are designed to provide bright signal and enhanced sensitivity.



Ordering information

Product	Quantity	Cat. No.
Goat Anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP-conjugated	1 mg	A16072
Goat Anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP-conjugated	1 mg	A16104
Goat Anti-Rat IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP-conjugated	0.5 mg	A10549
Donkey Anti-Goat IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP-conjugated	1 mg	A16005
Goat Anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP-conjugated	1 mg	A16072
Alexa Fluor Plus Secondary Antibodies	Various	View options

Blocking buffers

Our selection of blocking buffers enable exceptional signal and low background. Not sure where to start? Thermo Scientific™ StartingBlock™ Blocking Buffer is compatible with a wide range of protein targets and antibody combinations.



Ordering information

Product	Quantity	Cat. No.
StartingBlock (TBS) Blocking Buffer	1 L	PI37542
StartingBlock (PBS) Blocking Buffer	1 L	PI37538
Thermo Scientific™ Blocker™ FL Fluorescent Blocking Buffer (10X)	100 mL	PI37565
Blocker BSA	200 mL	PI37525
Blocker Casein	1 L	PI37528

Learn more at fishersci.com/invitrogen-block-buffers or fishersci.ca/invitrogen-block-buffers

Washing buffers

Our dry-blend buffering packs and high-purity detergents can help enhance your signal-to-noise ratio.

Ordering information

Product	Quantity	Cat. No.
BupH Phosphate Buffered Saline Packs (0.1 M sodium phosphate, 0.15 M NaCl, pH 7.2)	40 packs	PI28372
BupH Tris Buffered Saline Packs (25 mM Tris, 0.15 M NaCl, pH 7.2)	40 packs	PI28376
Thermo Scientific™ Pierce™ PBS Tween™ 20 Buffer (20X)	500 mL	PI28352
Pierce TBS Tween 20 Buffer (20X)	500 mL	PI28360
Thermo Scientific™ Tween™ 20 Surfact-Amps™ Detergent Solution (10% w/v)	6 x 10 mL	PI28320

Stripping buffers

Thermo Scientific™ Restore™ products enable you to quickly strip and reprobe, and thus reuse the blot again and again, helping you save time, money, and aggravation. Working with high-affinity antibodies? Choose the Thermo Scientific Restore PLUS formula.



Ordering information

Product	Quantity	Cat. No.
Restore Western Blot Stripping Buffer	500 mL	PI21059
Restore PLUS Western Blot Stripping Buffer	500 mL	PI46430
Restore Fluorescent Western Blot Stripping Buffer	100 mL	PI62300

Western blotting substrates

Thermo Scientific™ SuperSignal™ chemiluminescent HRP substrates offer excellent performance in western blotting with longer light emission and strong signal intensity.



Ordering information

Product	Quantity	Cat. No.
Thermo Scientific™ SuperSignal™ West Pico™ PLUS Chemiluminescent Substrate	200 mL	PI34577
	500 mL	PI34580
	1 L	PI34578
Thermo Scientific™ SuperSignal™ West Dura™ Extended Duration Substrate	100 mL	PI34075
	200 mL	PI34076
Thermo Scientific™ SuperSignal™ West Femto™ Maximum Sensitivity Substrate	100 mL	PI34095
	200 mL	PI34096
SuperSignal West Atto Ultimate Sensitivity Substrate	100 mL	PIA38555
	200 mL	PIA38556

Learn more at fishersci.com/thermo-chemi-substrates or fishersci.ca/thermo-chemi-substrates



Image capture and analysis

With Invitrogen iBright Imaging Systems, you can simplify image capture and analysis with a powerful suite of automated technologies and functions. Whether you're imaging chemiluminescent western blots, stained protein and nucleic acid gels, or fluorescent blots, there's an iBright imaging solution for you.



Ordering information

Product	Quantity	Cat. No.
iBright FL1500 Imaging System	1 system	A44241
iBright CL1500 Imaging System	1 system	A44240
iBright CL750 Imaging System	1 system	A44535

Save up to 50% on western blotting equipment and supplies

Get up to 22% off western workflow devices, save on electrophoresis starter kits and mini gel welcome packs, and explore other special offers.

Learn more and save at fishersci.com/invitrogen-west-offers or fishersci.ca/invitrogen-west-offers



Learn more about our western blotting products at fishersci.com/thermo-western-blot or fishersci.ca/thermo-western-blot

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