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Flexible formats. Less antibody. Reproducible results.

Introducing the iBind Flex Western System

The Invitrogen™ iBind™ Flex Western System offers:

- **Flexible options**—optimize antibody use, change formats and reduce hands-on time
- **Cost savings**—use up to 80% less primary antibody*
- **Reproducibility**—automated processing provides improved blot-to-blot consistency

The iBind Flex Western System delivers flexible solutions with automated convenience. It offers flexible blot processing that can accommodate various formats, including midi and mini blots and vertically cut strips. The hands-free device requires less primary antibody, delivers reproducible results, and is compatible with all western detection protocols. With sequential lateral flow (SLF) technology, all antibody and washing steps are automated, allowing you to load your solutions and walk away.

*Protocol for primary antibody uses 80% less than a traditional manual method; results may vary.

Get your Invitrogen™ iBind™ Flex Starter Kit today

All of the items you'll need to begin using the iBind Flex Western System:

- iBind™ Flex Western Device
- iBind™ Flex Cards (1 box of 10)
- iBind™ Flex Solution Kit**

**Use the iBind™ Flex Fluorescent Detection (FD) Solution Kit for infrared and fluorescence-based detection with LI-COR™ ODYSSEY™ imagers.

Find out more at **lifetechnologies.com/ibindflex**

ThermoFisher SCIENTIFIC

Invitrogen™ iBind™ Starter Kit

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Find out more at **lifetechnologies.com/ibind**

Choose the right product for your workflow

	iBind Western Device	iBind Flex Western Device
Mini blot (single)	Yes	Yes
Mini blot (dual)	No	Yes
Midi blot	No	Yes
Vertically cut strips	No	Yes

Robust results with less primary antibody

One of the key elements of a successful western blot is the primary antibody; however, this reagent also contributes to over 90% of the total cost of the blot. Because the iBind Flex and iBind Western Systems are more sensitive than manual processing methods, you can use lower antibody amounts to achieve similar results.

Using chemiluminescence- or fluorescence-based detection methods, you can use up to 80% less primary antibody than with manual methods, saving you significantly in cost per blot (Figure 1).

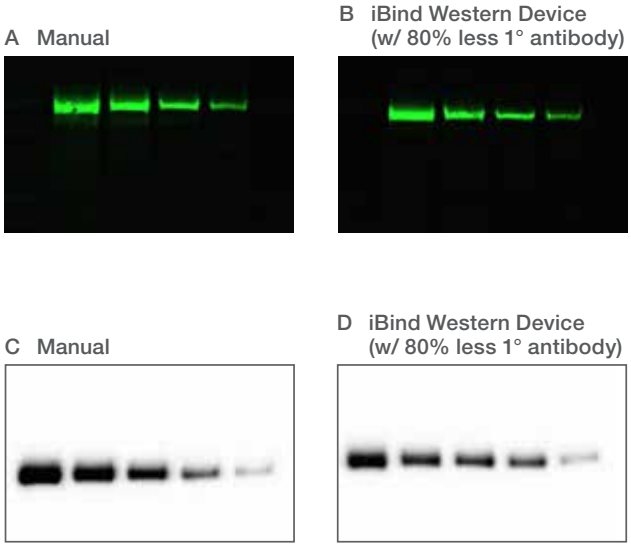

Figure 1. Western blots processed on the iBind device show results comparable to those from western blots processed manually. For all blots, proteins were separated using the Mini Gel Tank electrophoresis system and transferred to PVDF membranes using the iBlot™ 7-Minute Blotting System. All blots were processed for detection of phospho-EGF receptor (**A, C:** 5x primary/5x secondary for manual method; **B, D:** 1x primary/5x secondary with iBind device). The iBind Fluorescent Detection (FD) Solution Kit was used for fluorescent detection **(A, B)**. The standard iBind Solution Kit was used for the chemiluminescent blots **(C, D)**.

Superior western performance compared to manually processed blots

- The iBind and iBind Flex systems are designed to deliver greater sensitivity for many monoclonal and polyclonal antibodies, compared to manual methods (Figures 2 and 3)
- Combine the iBind or iBind Flex system with highly specific Novex™ primary and secondary antibodies to help achieve clean western blots that only light up your target protein
- Automated processing provides better blot-to-blot consistency, with CVs of <5% vs. CVs of 13% for manually processed blots

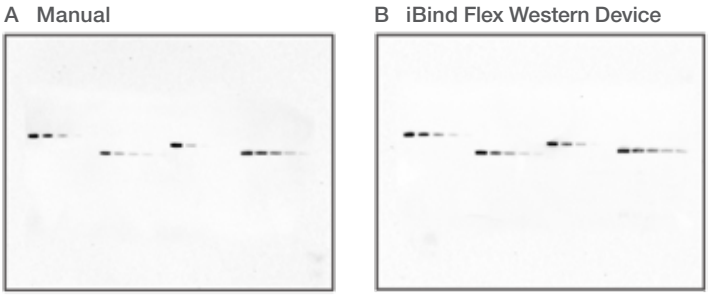

Figure 2. Western blots processed on the iBind device show superior sensitivity compared to western blots processed manually. Western blots were produced by separating samples on NuPAGE™ 4–12% gels with MOPS SDS running buffer and transferring to nitrocellulose membranes using the iBlot™ 2 Dry Blotting System. Lanes 1–5: 80 ng–5 ng of IKK beta; lanes 6–10: 120 ng–7.5 ng of DDR2; lanes 11–15: 40 ng–2.5 ng FLT1; lanes 16–20: 360 ng–22.5 ng HCK. Proteins were detected with rabbit anti-GST primary antibody and goat anti-rabbit secondary antibody. **(A)** Manual processing: 40 µL primary antibody, 33.3 µL secondary antibody, in 20 mL each of iBind solution. **(B)** iBind device processing: 8 µL primary antibody, 6.7 µL secondary antibody, in 4 mL each of iBind solution. After completion of western processing, blots were incubated for 5 minutes in SuperSignal™ West Dura substrate, and images were then captured using the ChemiDoc™ system (Bio-Rad).

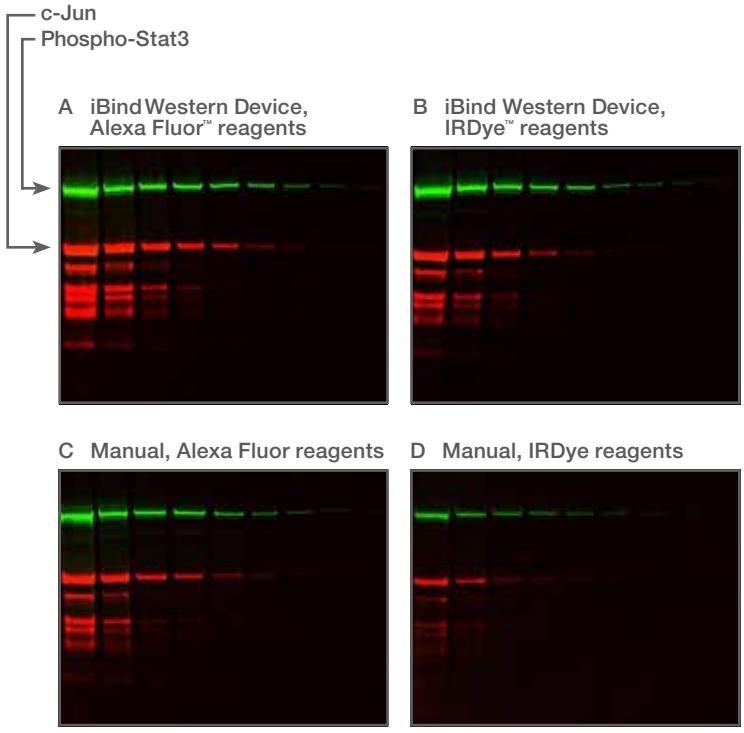

Figure 3. iBind system vs. manual western blotting with fluorescence-based detection of c-Jun and phospho-Stat3. Western blots of cell lysates containing phospho-Stat3 and c-Jun (left to right: 30 µg–120 ng lysate protein) were processed either on the iBind device or using standard manual western processing protocols as specified by the manufacturer for each antibody (monoclonal phospho-Stat3 [Tyr705] (M9C6) mouse primary antibody and monoclonal c-Jun (60A8) rabbit primary antibody). **(A, C)** Alexa Fluor™ 680 goat anti-rabbit secondary antibody and Alexa Fluor™ 790 goat anti-mouse secondary antibody. **(B, D)** IRDye™ 680LT goat anti-rabbit secondary antibody and IRDye™ 800CW goat anti-mouse secondary antibody. Blots processed with the iBind device detected both target proteins at lower levels than manually processed blots. For all blots, proteins were separated using the Bolt™ Gel Electrophoresis System and transferred to nitrocellulose membranes using the iBlot 2 Dry Blotting System.

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Everything you need to improve your western performance

Product	Quantity	Cat. No.
iBind™ Flex Western Starter Kit	1	SLF2000S
iBind™ Flex Western Device	1	SLF2000
iBind™ Flex Cards (10/box)	1	SLF2010
iBind™ Flex FD Solution Kit	1	SLF2019
iBind™ Flex Solution Kit	1	SLF2020
iBind™ Western Device	1	SLF1000
iBind™ Window Cover	1	SLF1001
iBind™ Cards	10	SLF1010
iBind™ Fluorescent Detection (FD) Solution Kit	1 kit	SLF1019
iBind™ Solution Kit	1 kit	SLF1020

Get your iBind Flex Western Starter Kit now—
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To fax an order, use 1-800-926-1166
To order online: fishersci.com

In Canada:
For customer service, call 1-800-234-7437
To fax an order, use 1-800-463-2996
To order online: fishersci.ca