

invitrogen

# The iWestern workflow

An intelligent, start-to-finish western blotting solution



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# Streamline your western blotting workflow

Now you can empower your lab with the Invitrogen™ iWestern workflow solution. Our iWestern workflow is an inventive take on a decades-long problem: getting the desired results from what can be the elusive, time-consuming western blot.

Designed to address processing efficiency, reproducibility, and robustness of results, the iWestern workflow helps enable exceptional western blotting results with minimal

hands-on time. With the iWestern workflow, your life in the lab becomes easier and less time-consuming, allowing time for you to focus on what matters most—your data.

At the core of the iWestern workflow are four innovative western blotting products designed around efficiency and reproducibility, and optimized to deliver the performance you expect from us.





## Mini Gel Tank

Streamlined protein separation through creative tank design

With an intelligently engineered, side-by-side design, the Invitrogen™ Mini Gel Tank provides a forward-facing well configuration for easier sample loading and the simultaneous visualization of both gels, while the white-colored tank stand provides contrast to improve the monitoring of prestained markers during electrophoresis. Compatible with over 180 gels of different formats and gel chemistries, the Mini Gel Tank provides you with the flexibility to choose the best gel for the job.

The standard Invitrogen™ iWestern™ workflow bundle features the Invitrogen™ Bolt™ Gel Welcome Pack, which includes the Mini Gel Tank, two boxes of Invitrogen™ Bolt™ Bis-Tris Plus gels, and necessary buffers. Choose a protein gel welcome pack with the chemistry of your choice (see table below) with our custom bundle option.

Gel chemistry	Application
Bis-Tris	Broad-range, low-abundance protein separation; downstream applications requiring high protein integrity (e.g., posttranslational modification analysis, mass spectrometry, or sequencing)
Tris-glycine	Broad-range, high-abundance protein separation
Tris-acetate	High molecular-weight protein separation (up to 500 kDa)
Tricine	Low molecular-weight protein separation (as low as 2 kDa)



## iBlot 2 Dry Blotting System

Efficient protein transfer in only seven minutes

The Invitrogen™ iBlot™ 2 Gel Transfer Device is our premium western blot transfer device, delivering high performance and convenience. A unique, innovative dry blotting system, the iBlot 2 device utilizes preassembled transfer stacks, with transfer buffer incorporated into gel matrices, so there's no need to prepare messy transfer buffers, and minimal post-transfer cleanup is required. The short distance between electrodes, along with high field strength and current, reduces transfer time to just seven minutes. Just insert your gel and go. The standard iWestern workflow bundle includes the iBlot 2 Starter Pack with transfer stacks to get you started.





## iBind western systems

Revolutionary western blot processing—no shakers, trays, or timers required

Two devices, one simple technology for western blot processing. The Invitrogen™ iBind™ western systems are simple, unpowered devices that automate many of the tedious, routine western blot processing steps. The original Invitrogen™ iBind™ Western Device accommodates the processing of one mini blot at a time, while the Invitrogen™ iBind™ Flex Western Device accommodates the processing of up to one midi blot, two mini blots, or up to six vertically cut strips. The entire immunoblotting process is completed in less than three hours, uses up to 80% less primary antibody than traditional methods, and because processing is automated, blot-to-blot consistency can be improved.

Our standard iWestern workflow bundle comes with the iBind Starter Kit, including the necessary consumables to get started.



## iBright imaging systems

### Stunningly easy western blot imaging

Complete with a powerful 9.1-megapixel camera, our proprietary Smart Exposure™ acquisition technology, Thermo Fisher™ Cloud connectivity, and a suite of automated features, Invitrogen™ iBright™ imaging systems enable customers to capture and analyze western blots and gels faster and more easily than before.

An intelligent blend of art and power, iBright imaging systems feature a clean, simple interface that enables users to easily harness the full capabilities of the platform. Two models are available—the Invitrogen™ iBright™ CL1000 System, capable of imaging chemiluminescent western blots in addition to stained protein and nucleic acid gels, and the Invitrogen™ iBright™ FL1000 System, featuring the same imaging modes as the iBright CL1000 System yet also offering five-channel fluorescent blot imaging capability in both visible and near-IR channels.

The standard iWestern workflow bundle includes the iBright FL1000 Imaging System.





Modernize your western blot workflow today with the iWestern workflow bundle.

The standard iWestern workflow bundle contains all of our core innovative iWestern workflow devices, including the necessary consumables and reagents to get started:

- Bolt Welcome Pack (including Mini Gel Tank)
- iBlot 2 Starter Kit
- iBind Western Starter Kit
- iBright FL1000 Imaging System

Want to build a custom iWestern workflow bundle or request a quote?  
Go to [thermofisher.com/iwestern](https://thermofisher.com/iwestern)



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