



From Gel to Blot in 7 minutes

eBlot[®] Protein Transfer System

Fast Semi-Dry Blotting for Efficient Western Analysis

eBlot® Protein Transfer System

- **Fast**—complete protein transfer in 7 to 10 minutes
- **Sensitive**—high transfer efficiency for reliable western
- **Convenient**—no need for additional buffer or power supply
- **Safe**—proprietary formulation without methanol ★
- **Economical**— lower cost per gel than other fast protein blotting systems

Western blot is the most commonly applied and reliable method for protein detection. Traditional wet or semi-dry transfer is time-consuming, requires messy liquid handlings and often generates much hazardous waste. The eBlot® Protein Transfer System cuts gel blotting time from hours down to seven to ten minutes. The cutting edge electric transfer technology ensures a faster and simpler method for protein transfer from gel to membrane at lower cost than other fast protein blotting system (Table 1).

Table 1 – Fast protein transfer from gel to membrane with the eBlot® Protein Transfer System

	eBlot® Protein Transfer System	Semi-Dry Transfer	Wet Transfer
Buffer Preparation	0 min	20-30 min	20-30 min
Soaking Gel in Transfer Buffer	0 min	15-25 min	0 min
Assembling Layers	2 min	10 min	10 min
Transfer	7-10 min	40-90 min	1-3 hr
Cleanup	0 min	10 min	10 min
Total Elapsed Time	9-12 min	1 hr, 35 min – 2 hr, 30 min	1 hr, 40 min – 3 hr, 50 min

Innovative electric blotting system for faster, more convenient protein transfer from gel to membrane

The eBlot® Protein Transfer System, with GenScript's **proprietary fast semi-dry blotting technology**, significantly improves the efficiency of protein transfer from mini-acrylamide gels onto membranes for **quick, reproducible and quality results in 7-10 minutes**.

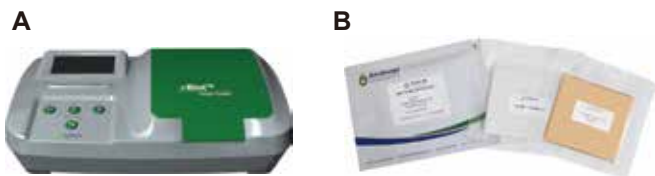


Figure 1. eBlot® Protein Transfer System.

A. eBlot® device; B. eBlot® Protein Transfer Pads

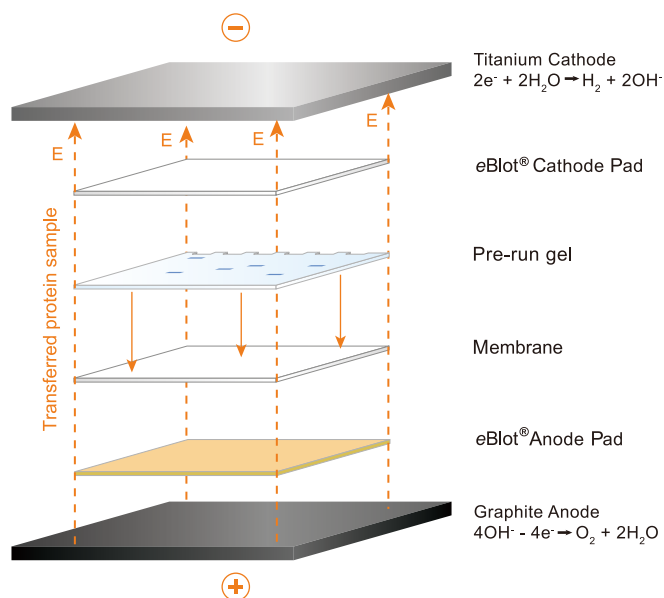
★ Methanol is extremely poisonous. It could cause blindness or even death

Shortened workflow increases your productivity

eBlot® Protein Transfer System greatly cuts down the transfer time required for proteins from gel to membrane (Figure 2).

Figure 2. How eBlot® Protein Transfer System works.

The eBlot® Protein Transfer System is based on the proprietary fast semi-dry blotting technique developed by GenScript. A certain definite voltage allows for rapid and directional movement of negatively charged protein molecules from the gel matrix onto the membrane.



Optimized self-contained system offers easy, clean, and safe procedures

The eBlot® Protein Transfer System is created as a self-contained system.

- The ready-to-use and disposable eBlot® Protein Transfer Pads contain required electrode buffers with choices of blotting membranes.
- No additional buffers are required for a more convenient transfer process.
- The proprietary formulation does not contain methanol, so that the used eBlot® Pads require no special treatment before disposal, making it safer and greener.

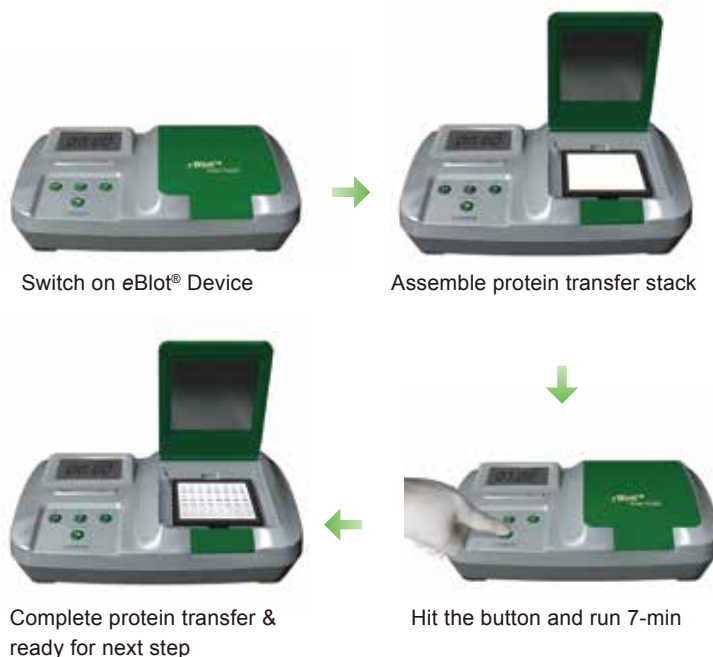


Figure 3. Steps to set up protein transfer with eBlot® Protein transfer system.

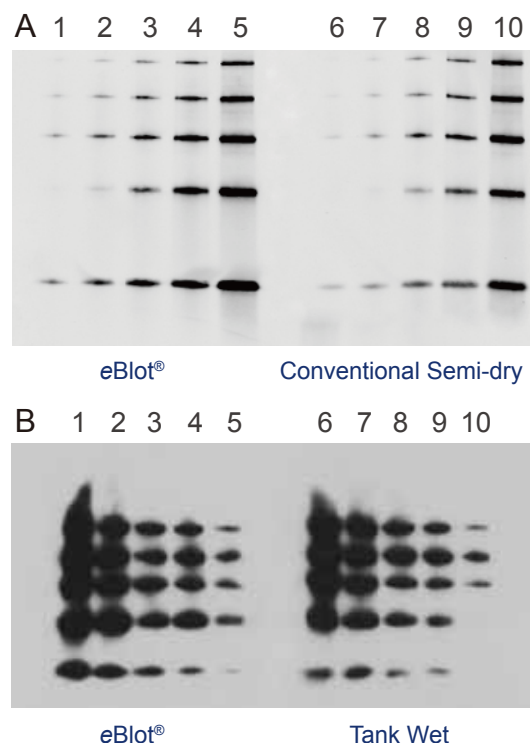
With eBlot® System, all you need to do is to simply assemble the eBlot® Pads together with the pre-run gel and press the run button

High transfer efficiency with reproducible results

In addition to ease and convenience, the eBlot® Protein Transfer System delivers high protein transfer efficiency for both high and low molecular weight proteins from gel to membrane thus high detection sensitivity as compared to traditional wet transfer methods (Figure 4).

Figure 4. Higher transfer quality of eBlot® Protein Transfer System (A) Comparison of protein transfer between eBlot® Protein Transfer System and a semi-dry western transfer method. (B) Comparison of protein transfer between eBlot® Protein Transfer System and a tank wet western transfer method.

Proteins were separated with Genscript Express™ PAGE Gels 8-16% and transferred to nitrocellulose. (A) Lanes 1-5 and 6-10: 0.313 µl, 0.625 µl, 1.25 µl, 2.5 µl, and 5.0 µl Genscript EasyWestern Protein Standard (22, 40, 60, 85, and 120 KDa); (B) Lanes 1-5 and 6-10: 5.0 µl, 2.5 µl, 1.25 µl, 0.625 µl, and 0.313 µl Genscript High Range EasyWestern Protein Standard (60, 85, 120, 160 and 200 KDa).



Suitable for various types of mini gels

The eBlot® Protein Transfer System is designed to work with multiple types of mini polyacrylamide gels, including Tris-Glycine, Bis-Tris, Tris-Tricine, and Tris-Acetate gels, etc.

Ordering Information

Product	Size	Cat. No.
eBlot® Protein Transfer Device	1 unit	L03010
eBlot® Protein Transfer Pads Basic, without membrane	1 box (20-pak)	L03011
eBlot® Protein Transfer Pads Nitrocellulose, 20-pak	1 box (20-pak)	L03013
eBlot® Protein Transfer Pads PVDF, 20-pak	1 box (20-pak)	L03014
eBlot® Graphite Electrode	1 unit	L03012
eBlot® Equilibration Buffer	125 ml	M01078

For more information, visit http://www.genscript.com/eblot_protein_transfer_system.html