

Fast Semi-Dry Blotter

For high-quality, high-throughput semi-dry transfer from protein gels in less than 10 minutes.

The Fast Semi-Dry Blotter is an electrophoresis apparatus for rapid and complete gel-to-membrane protein transfer following SDS-PAGE for PVDF or nitrocellulose Western blotting.


The Fast Semi-Dry Blotter is a durable and versatile electrophoretic transfer device that is large enough to process four separate protein mini gels at a time. Unlike other blotting systems, this blotter does not require costly consumable plates or sponges. The Fast Semi-Dry Blotter is compatible with traditional semi-dry transfer buffers and protocols, including for nucleic acid methods. The gel blotter provides exceptionally rapid protein transfer (less than 10 minutes) when it is used together with the Fast Semi-Dry Transfer Buffer #35035.



Highlights:

- **Efficient protein blotting** – evenly and effectively transfers protein from polyacrylamide gels to nitrocellulose or PVDF membranes
- **Fast electrophoretic transfer** – blots protein onto membrane in 7 to 10 minutes when used with the methanol-free Pierce Semi-Dry Transfer Buffer #35035
- **Sensitive yet economical** – provides same transfer efficiency as other semi-dry or wet-transfer units but requires no special or costly consumables
- **Robust, high-capacity** – large (20 x 20cm) metal plate electrodes provide a uniform electric field to ensure high-quality transfer for up to 4 mini gels at one time
- **Versatile** – use for transfer from homemade or pre-cast polyacrylamide gels; with the Pierce Semi-Dry Transfer Buffer or conventional buffers; or any membrane type for Western blotting or nucleic acid detection

Ordering Information

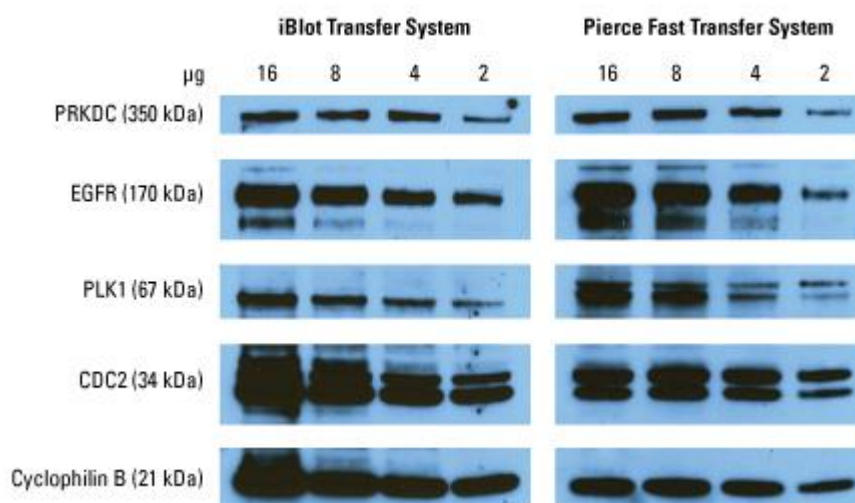
Product #	Description	Pkg. Size	Instructions	Price
88217	Fast Semi-Dry Blotter Formulation: Plastic and metal apparatus, nonpowered, 22.5 × 22.5 × 8cm	1 unit		Prices on line
88110	Electrical Cables for Fast Semi-Dry Blotter Formulation: Red and black (wrapped) electrical cables with plastic-tipped, banana terminals	1 pair		
88111	Banana Plug Adaptors for Semi-Dry Blotter Formulation: Red and black adaptors for power supplies requiring thicker, metal-tipped banana terminals	2 pair		

88220	Replacement Push Locks for Semi-Dry Blotter Formulation: Black plastic latches	4 clips
35035	Fast Semi-Dry Transfer Buffer, 10X for 10-minute transfer with semi-dry blotters	500ml
35045	Fast Semi-Dry Transfer Buffer, 10X	500ml
35040	for 10-minute transfer with semi-dry blotters	5L

Product Details:

When used together, the Fast Semi-Dry Blotter and Fast Semi-Dry Transfer Buffer #35035) provide a complete system for rapid, 10-minute protein transfer. The Transfer Buffer is supplied as a 10X concentrate for easy dilution with water before use, and the procedure does not require methanol.

The major advantages of fast semi-dry blotting are reduced buffer consumption, uniform electric field, high transfer efficiency, shorter transfer times and higher throughput (up to 4 mini gels at once). Nevertheless, the Fast Semi-Dry Blotter also can be used for conventional semi-dry transfer using traditional buffers and Western blotting protocols.



Transfer efficiency of the Fast Transfer System is comparable to existing methods. A549 whole cell lysates were prepared for SDS-PAGE and loaded onto a 4-12% Bis-Tris gel (1.0mm x 10 well) using the following protein amounts: 16, 8, 4 and 2µg. After electrophoresis, gels were transferred to nitrocellulose membrane using either the Fast Semi-Dry Transfer System or the Invitrogen iBlot* Dry Blotting System. Resulting membranes were probed for PRKDC, EGFR, PLK1, CDC2 and Cyclophilin B using the Fast Western Blotting Kit.

Transfer System is a rapid and economical alternative to other popular protein transfer systems.			
	Fast Transfer System	iBlot* Transfer System	Traditional Tank Transfer System
Transfer time	7-10 minutes	7 minutes	1 hour to overnight
Transfer cost per mini gel	\$4	\$13	\$11
Consumables required	No	Yes, transfer stacks	No
Friendly to environment	Yes, no methanol required, no plastic or metal waste or additional consumables	No, requires disposal of packaging, sponge and copper from iBlot transfer stacks	No, requires addition of methanol
Throughput	Up to 4 gels per run	Up to 2 gels per run	Up to 2 gels per run

Related Products:

Blotting membranes
MiniBlotter
Immunologicals for Immunoblotting

Other products from Interchim BioScience Innovations :

See [Products HighLights Overview](#)

Information inquire

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