

ECL Semi-dry Blotters

TE 70, TE 77, TE 70 PWR, TE 77 PWR

ECL™ Semi-dry Blotters are designed to deliver outstanding electrophoretic transfer results using low current and voltage with a minimal amount of buffer.

- Units available with and without built-in power supplies to give maximum flexibility
- Complete, uniform electrotransfer of proteins from polyacrylamide gels in less than 1 h
- Minimal buffer use—just enough to saturate blotting papers and membranes
- Long-lasting perforated platinum-titanium and stainless steel electrodes for uniform, contamination-free transfers
- Semi-dry blotters validated with GE Healthcare ECL Western blotting systems



Fig 1. TE 77 PWR blotter.



TE 70 and TE 77

The TE 70 accommodates gels up to 14 × 16 cm, such as from the SE 400 and SE 600 series.

The TE 77 accommodates gels up to 21 × 26 cm, or four mini-gels side-by-side.

Multiple gels can be transferred at the same time by placing several small gels of the same thickness side by side, or by stacking two gels vertically in a multilayer stack.

The TE 70 and TE 77 have 4-mm shrouded high voltage leads that must be connected to an external power supply. They have safety circuits built into the instrument that limit the voltage to 30 V and the current to 0.5 A. The circuits protect the user from unnecessary electrical hazards.

TE 70 PWR and TE 77 PWR

These two blotters, identical in size to their respective units above, are designed with a built-in power supply that supports transfer conditions up to 30 V and 0.5 A. This eliminates the need for an external power supply, as well as any adaptor issues.

The instruments also monitor the transfer stack resistance, and can stop a transfer if large changes indicate that the buffer is being depleted.

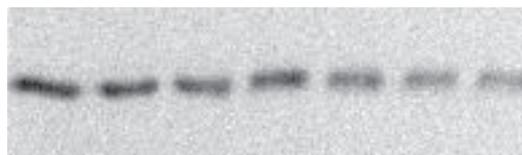


Fig 2. Dilution series of bovine serum albumin, blotted using the TE 77 PWR and processed with ECL Advance Western Blotting Reagents.

Specifications

	TE 70	TE 77	TE 70 PWR	TE 77 PWR
Electrode size (cm)	14 × 16	21 × 26	14 × 16	21 × 26
Output Voltage (V) Current (A)	30 0.5	30 0.5	30 0.5	30 0.5
Inputs Voltage (V) Current (A) Frequency (Hz)			100–240 0.7 47–63	100–240 0.7 47–63

Environmental operating conditions

Temperature	4–40 °C
Humidity	Up to 80%
Altitude	Up to 2000 m
Installation category	II
Pollution degree	2
Dimensions (W × H × D)	38 × 9 × 46 cm
Weight	Shipping, 6.8 kg Unit, 3.7 kg
Certifications	EN61010–1, UL61010–1, CSA C22.2 1010.1, EN 61326, CE

Ordering information

Description	Code number
TE 70 PWR Semi-dry Transfer Unit, 14 × 16 cm	11-0013-41
TE 70 Semi-dry Transfer Unit, 14 × 16 cm	80-6210-34

(Includes 25 sheets of blotting paper, 50 sheets of cellophane, 2 solid masks, and masks for 7 × 8 cm and 14 × 16 cm gels.)

Description	Code number
TE 77 PWR Semi-dry Transfer Unit, 21 × 26 cm	11-0013-42
TE 77 Semi-dry Transfer Unit, 21 × 26 cm	80-6211-86

(Includes 25 sheets of blotting paper, 50 sheets of cellophane, solid mask, and mask for 14 × 16 cm gels.)

Accessories

Description	Code number
TE 70 and TE 70 PWR	
Blotting paper, 14 × 16 cm, 25 sheets	80-6211-67
Cellophane, 20 × 35.5 cm, 50 sheets	80-6210-53
Masks, solid, 16.5 × 18.5 cm, 4	80-6210-72

TE 77 and TE 77 PWR	
Blotting paper, 21 × 26 cm, 25 sheets	80-6211-29
Cellophane, 34 × 44 cm, 50 sheets	80-6117-81
Masks, solid, 23 × 27.5 cm, 4	80-6212-05
Power Cord Kit (Includes transformer block and two power cords.)	28-4025-98
User manual, ECL Semi-dry Blotters	28-4025-91

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