

TANKS FOR *BLOTTING*

MINI GEL TRANSBLOTTER FOR UP TO 4 x MINI GELS 10 x 10 cm



ORDERING INFORMATION

430000 Electro-blotting unit for up to four 10 x 10 cm gels
Includes: 4 compression cassettes, 8 small fibre packs

ACCESSORIES for unit # 430000

431010 Compression cassette

431PAD Fibre pads 10 x 10 cm, PK/4

TECHNICAL SPECIFICATIONS

Buffer Volume	1300 ml
Unit dimensions (H x W x D)	15 x 13 x 15 cm
Transfer Area	9 cm W x 9 cm L
Run Time	4 hours - Overnight

- Water cooled base with stirring bar which can be placed in the unit under the compression cassette. Then unit is placed on a stable magnetic stirrer.
- An open square grid design for the cassettes provides a maximum area for the transfer and is strong enough to maintain a firm contact between the gel and the transfer membrane.
- Replaceable platinum electrodes.
- Safety lid provides complete protection to the user.

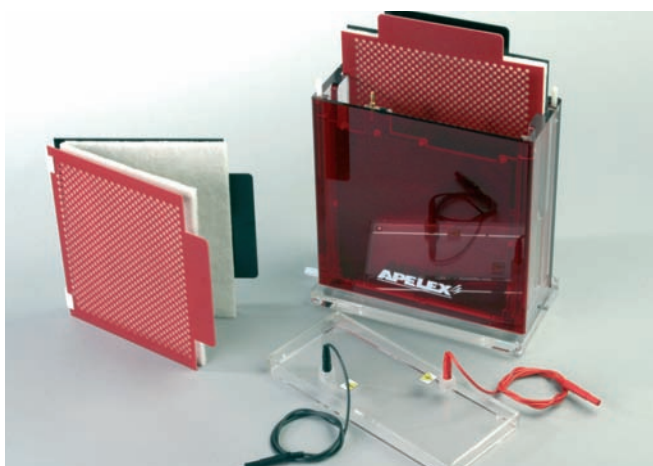
SUGGESTED POWER SUPPLY

(See details on page 4)



PS 305 Cat. No. 170000

LARGE GEL TRANSBLOTTER Cat. No. 440000 - 2 GELS 20 x 20 cm



ORDERING INFORMATION

440000 Electro-blotting unit for up to two 20 x 20 cm gels
Includes: 2 compression cassettes, 4 large fibre packs

ACCESSORIES for unit # 440000

441010 Compression cassette 20 x 20 cm with pads

440PAD Fibre pads 20 x 20 cm, PK/4

SUGGESTED POWER SUPPLY

(See details on page 7)



PS 202 Cat. No. 176000 or PS 608 Cat. No. 173000

TECHNICAL SPECIFICATIONS

Buffer Volume	3000 ml
Unit dimensions (H x W x D)	25 x 23 x 10 cm
Transfer Area	19 cm W x 19 cm L
Run Time	4 hours - Overnight

TANKS FOR *BLOTTING*

THE SLIM FAMILY FOR FAST BLOTTING!

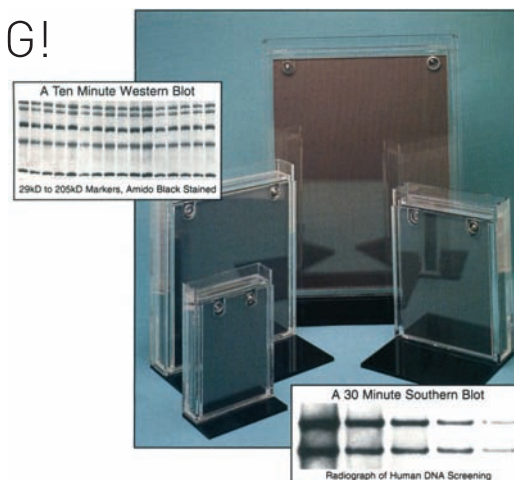
Designed for all blottings:

PROTEINS: WESTERN with standard alloy anode and cathode.

DNA: SOUTHERN with platinized Titanium anode.

RNA: NORTHERN with platinized Titanium anode.

- Western Blots of 0,75 or 0,8mm thick gels are cleared of proteins up to 170kD in size in 40 minutes at 24Volts.
- Western Blots of 1mm thick gels in 30 minutes at 24Volts.



THE BEST SPECIFICATIONS OF THE SLIM BLOTTERS

- LOW BUFFER VOLUME.
- No maintenance on the platinized Titanium electrodes.
- Standard alloy electrodes should be wiped occasionally.
- Just a few minutes for loading.
- High surface area assures a high field at the gel.
- 5 models with alloy electrodes for WESTERN Blot.
- 5 models with platinized Titanium anode for SOUTHERN and NORTHERN blotting.
- No bubble surrounding the electrodes.

ORDERING INFORMATION

504001	10 x 15 cm unit with alloy anode for Western Blots Buffer 350 ml
504015	15 x 20 cm unit with alloy anode for Western Blots Buffer 800 ml
504020	20 x 24 cm unit with alloy anode for Western Blots Buffer 1400 ml
504040	25 x 34 cm unit with alloy anode for Western Blots Buffer 2500 ml
504002	10 x 15 cm unit with Platinized Titanium anode for Southern and Western Blots Buffer 350 ml
504017	15 x 20 cm unit with Platinized Titanium anode for Southern and Western Blots Buffer 800 ml
504021	20 x 24 cm unit with Platinized Titanium anode for Southern and Western Blots Buffer 1400 ml
504041	25 x 34 cm unit with Platinized Titanium anode for Southern and Western Blots Buffer 2500 ml
504005	10 x 15 cm Platinized Titanium anode for nucleic acid blots
504010	15 x 20 cm Platinized Titanium anode for nucleic acid blots
504027	20 x 24 cm Platinized Titanium anode for nucleic acid blots
504044	25 x 34 cm Platinized Titanium anode for nucleic acid blots



Loading Position

SUGGESTED POWER SUPPLIES

PS 305 - 300 Volts - 500 mA - Cat. No. 170000

PS 304 - 300 Volts - 400 mA - Cat. No. 160500



Blotting Position

SEMI-DRY BLOTTING

ORDERING INFORMATION

450000	Mini Semi-Dry Blotter for gel up to 11 x 11 cm
460000	Large Semi-Dry Blotter for gel up to 20 x 20 cm

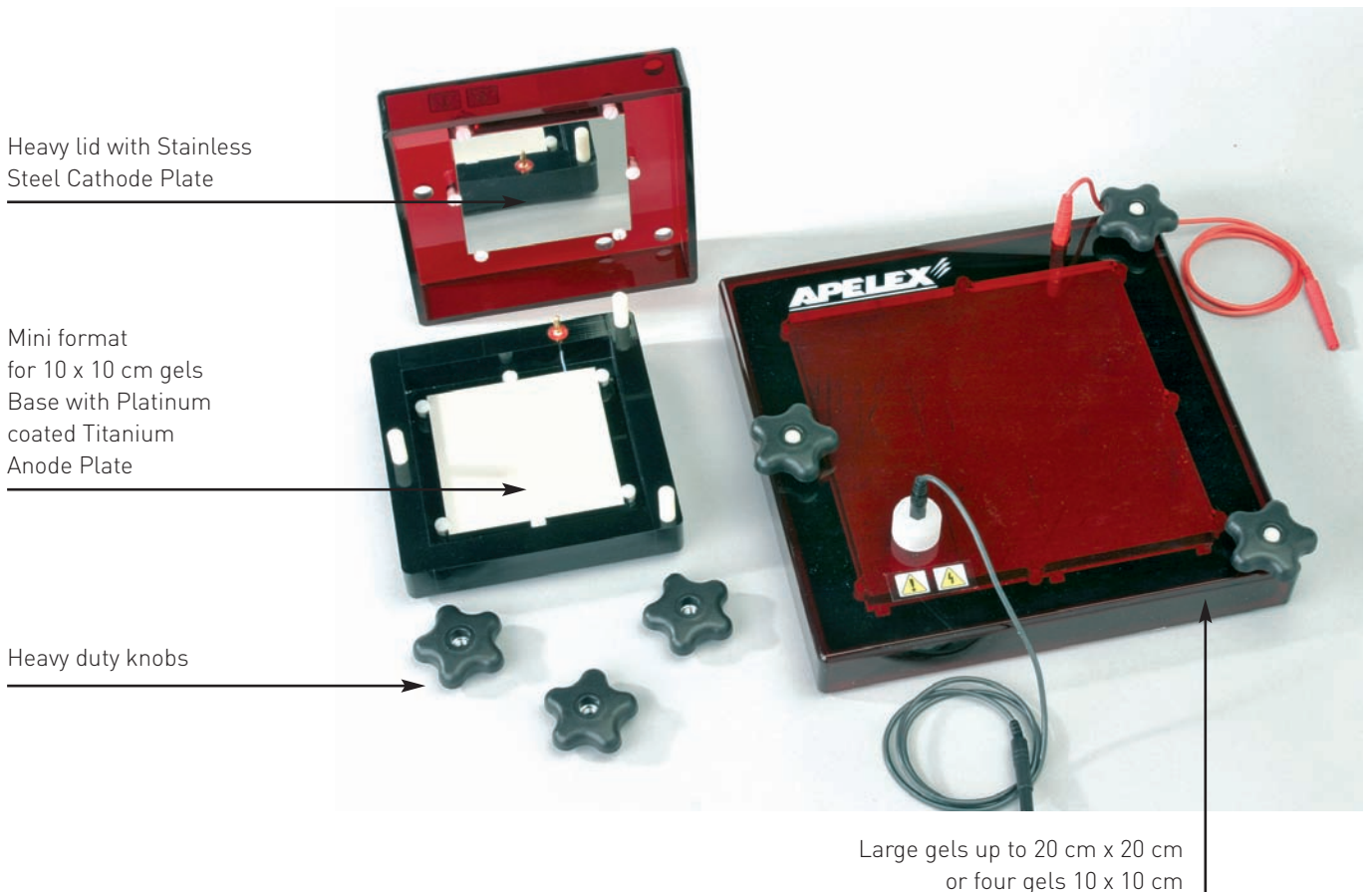
Mini and Large Semi-Dry Blotters 2 sizes: 11 x 11 cm & 20 x 20 cm

- Very high conductivity with corrosion free electrodes.
- Cathode in stainless steel, anode in platinum plated titanium for long life.
- Up to 3 mA/cm² of gel provides a very fast transfer.
- Strong side clamp system provides an uniform pressure between the gel and the transfer membrane.

RUNNING CONDITIONS

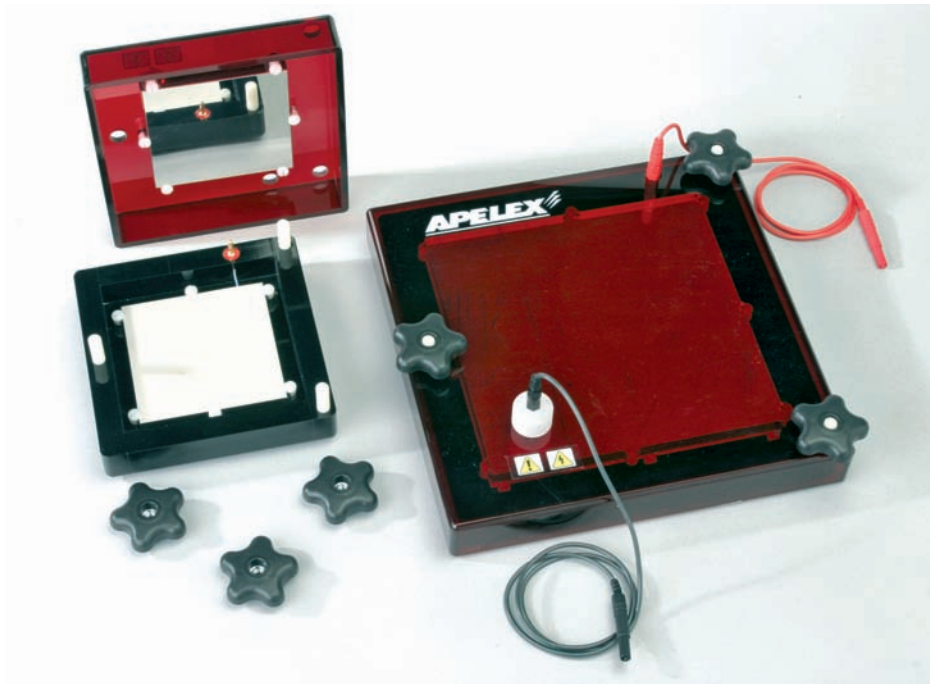
	Protein	DNA/RNA
Membrane	Nitrocellulose 0.45µm or 0,2µm PVDF 0.45µm or 0.2µm	Nylon
Transfer Buffer	Towbin Buffer, 3 Buffer System, Bjerrum Schafer-Nielsen	0.5X - 1XTBE, NAQ
Power Setting	Constant current 0.8-3mA/cm ² gel surface area 10-14 Volts maximum	Constant current 0.5-3mA/cm ² gel surface area 10-14 Volts max.
Running Time	30 minutes to 2 hours Needs to be experimentally determined (large molecules need longer transfer time)	30 minutes to 2 hours generally in the lower

Ideal for proteins less than 150 kd - Fast WESTERN BLOT
Mini Gels in 15 minutes! - Designed for extensive use



TANKS FOR *BLOTTING*

WHAT TANK FOR BLOTTING?



Solution 1: Semi-Dry **BLOTTING**

- Recommended for **BLOTTING OF PROTEINS AND NUCLEIC ACIDS**.
- Ideal for transferring all Protein, overall less than 150 kd.
- No significant volume of buffer to prepare.



Solution 2: **LIQUID BLOTTING** GEL TRANSBLOTTERS - MINI AND LARGE

- Separate cassettes give flexible gel capacity.
- Designed for **NORTHERN, SOUTHERN AND WESTERN BLOTTING**.



Solution 3: **LIQUID BLOTTING** SLIM BLOTTERS

- Low buffer volume.
- Very fast transfer.
- Low voltage.
- 5 tank sizes for Western Blotting.
- 5 tank sizes equipped by platinized Titanium anode for **NORTHERN, SOUTHERN AND WESTERN BLOTTING**.