

Blotting Units



Electro-Blotting Units

Designed to provide a safe, and easy to operate systems, for the transfer of nucleic acids and proteins from a gel matrix onto a suitable transfer membrane. Two sizes of units can be used to blot, up to four gels, of either 10 x 10 cm, 10 x 20 cm or 20 x 20 cm. The replaceable electrodes consist of densely coiled platinum wire which results in the generation of a very uniform electric field. The electrode separation

is calculated for optimum transfer. The units have a water cooled base and a stirring bar can be placed under the compression cassettes to assist in temperature control. The compression cassettes can be locked to minimize gel movement during their insertion into the tank. An open square grid design for the cassettes provides a maximum area for transfer and is strong enough to maintain a firm contact between the gel and the transfer membrane. If only small gels are to be blotted an optional buffer saver block is available for the unit. Each unit is supplied complete with 4 x compression cassettes and 1 x fiber pads.

- Robust construction
- Water cooled base with stirring bar
- Buffer saver block
- User replaceable platinum wire electrode cassettes
- Safety lid provides complete protection to the user
- Recessed power connectors integral with the safety lid
- Connectors: 4 mm male fully shrouded
- Corrosion-free gold plated connectors and terminals
- Compact compression cassettes
- An open square grid design provides a maximum area for transfer

Catalog No.	Product
CGS 8319.76	Electro-Blot Unit for 10 x 10 cm gels
CGS 8320.76	Electro-Blot Unit for 10 x 20 cm or 20 x 20 cm gels
CGS 8321.76	Large Compression Cassette, 20 x 20 cm
CGS 8322.76	Small Compression Cassette, 10 x 20 cm
CGS 8323.76	Fiber Pads, 20 x 20 cm, pkg. of 4
CGS 8324.76	Buffer Saving Block



Semi-Dry Blotting Units

These units are designed to produce an extremely uniform system for the transfer of proteins and nucleic acids. The very low buffer volume and current, 0.8 mA per cm² of gel, produces very little heat, preventing band distortion. Transfers can be achieved in less than one hour, depending on the molecular weight of the molecules to transfer. Either single gels or multiple gel stacks can be used with the units.

- Rugged acrylic construction
- Corrosion-free electrodes
- Completely safe system
- Large active transfer area
- Low buffer volume
- Low heat production-less band distortion
- Multiple gel system
- Fast transfer times
- Available in two sizes: 10 x 10 cm and 20 x 20 cm

The units are manufactured from rugged acrylic components and are built to comply with all the statutory safety regulations. One electrode is manufactured from stainless steel and the other from platinized titanium, making them virtually corrosion free. Therefore, the electrodes will last almost indefinitely as they will not deteriorate, when used correctly. Platinizing also prevents deposits being placed on the membrane. Two sizes of unit are available, 10 x 10 cm and 20 x 20 cm electrodes.

Catalog No.	Product
CGS 8325.76	Semi-Dry Blotting System, 10 x 10 cm
CGS 8326.76	Semi-Dry Blotting System, 20 x 20 cm

Power Supply 100 Volts, 1,500 mAmps

For use with the Electro-Blotting Units. It features 4 power outlets, variable voltage, 10 to 100 volts, variable current of 10 to 1,500 mAmps, constant voltage or current, over voltage/current protection, and short circuit protection. It measures (W x L x H) 31 x 27 x 11.8 cm.

Catalog No.	Product
CGS 8327.76	Power Supply, 100 V, 1,500 mAmps