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Hoefer has expanded the Mighty Small line

Hoefer's Mighty Small I has become the laboratory standard for doing electrophoresis in the small gel format. Now Hoefer is introducing Mighty Small II, and to complete the system, Mighty Small Transphor, Casting Stand, and Power Supplies.

- **Mighty Small II** is Cool and Fast: It can run two mini-gels, 8 x 10 cm, in 45 minutes. Two mini-gels are produced in two gel sandwiches, held back to back, in a double-sided pod. The pod consists of two discretely separate upper buffer chambers and a serpentine coolant chamber between. Cooling is the key feature of the Mighty Small design. The back plate of each gel sandwich is in contact with the upper buffer and is made of sturdy alumina. Alumina is an excellent heat conductor, 40 times faster than a comparable thickness of glass. It rapidly conducts joule heat away from the gel sandwich into the buffer. A serpentine coolant chamber, permanently sealed between the two buffer chambers, assures further heat dissipation. This excellent cooling system means you can get flat, side by side sample lanes with no smile in 45 minutes. Reader service card no. 289

- **The Mighty Small Multiple Gel Caster** enables you to cast 10 gels at a time, 8 x 10 cm, gradient or native. You can pour batches of gels ahead of time, probably a week's supply. Reader service card no. 290

- **The Mighty Small Transphor** can transfer proteins from four small gels (up to 9 x 10 cm) at once, to either nylon membranes or nitrocellulose, in as little as 30 minutes. It comes complete with four glass-filled polycarbonate cassettes. A serpentine cooling channel milled into the base and covered with alumina assures excellent cooling. Under standard transfer conditions the temperature variation will be less than 5°C. Platinum wire, 155 cm of it, strung in 14 opposing strands 1½ cm apart establishes a uniform electrical field. Because of its small size, it is possible to use a standard electrophoresis power supply—we recommend the Hoefer PS 500X. Mighty Small Transphor requires only a small amount of buffer, about one liter, another important cost-saving factor. Reader service card no. 291

- **If you want to run small gels, 100 mm wide x 80 mm high**, the Mighty Small I does the job fast and right. You can run a 10% gel at 200 constant volts in only 42 minutes. The gel sandwich is the core of the design. Its alumina back interfaces with the buffer pod to insure even heat distribution across the gel surface. The result: flat, side-by-side bands. Reader service card no. 292

- Hoefer introduces a new line of transfer membranes for all blotting techniques: a pure grade of nitrocellulose to insure faithful replicas and minimal background staining, and high binding capacity Nylon 66 membranes. You have a wide choice of shapes and pore sizes. Reader service card no. 293

- **The PS 250 power supply** is a workhorse for the electrophoresis lab. It can produce 0-250V; 0-2.5A, adjustable in both voltage and current. It has two digital panel meters and a 7 hour timer. You can run six Mighty Small II units at one time and monitor each separately. For transfer work the PS 250 provides ample current for several small or large transfer units. We recommend running transfers in constant current to eliminate over-heating. Reader service card no. 294

- **The PS 500X** is the standard power supply for small gel electrophoresis. It can produce 0-500V, 0-400mA; adjustable in voltage and current; automatic crossover from current to voltage. You can run two Mighty Small II units at one time or two Mighty Small Transphor units.

The PS 500X is portable (only 8 lbs.) and compact (4" x 8" x 12"). Reader service card no. 295


For demonstration of the Mighty Small line, Reader service card no. 296

For complete catalog, Reader service card no. 297

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