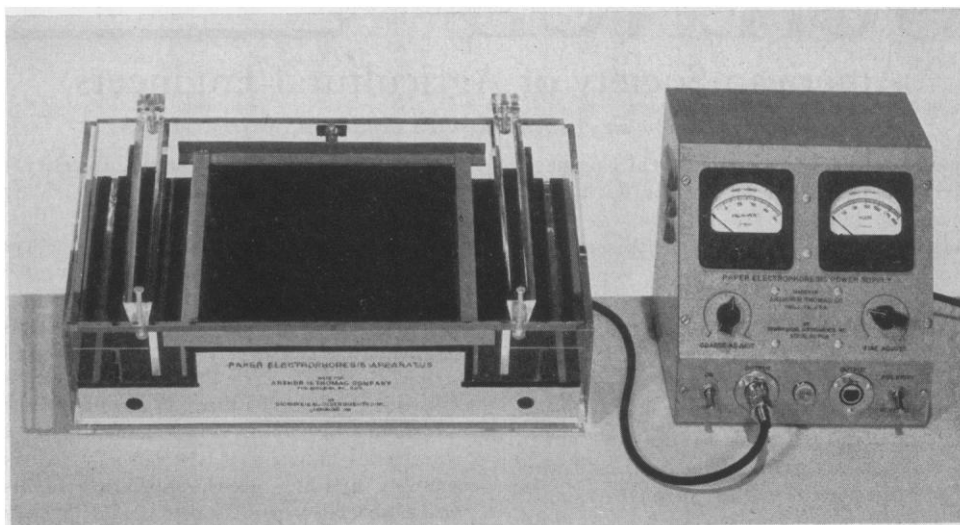




ELECTROPHORESIS APPARATUS

Paper Strip Model

Visit our exhibit Booth 228 AAAS Meeting, Dec. 26-31



4937-W5.

ELECTROPHORESIS APPARATUS, Paper Strip Model, A.H.T. Co. Specification. With $\frac{1}{4}$ -inch platinum foil electrodes, $10\frac{1}{4}$ -inch migration chamber, and separate variable power supply. For preparing a series of horizontal paper electrophorograms of micro quantities (8 to 15 lambda for testing human serum) of mixtures the components of which are separable by migration upon application of an electric potential.

Based on original research by T. Wieland and A. Tiselius, subsequently applied to a closed system by W. Grassmann, with modifications suggested by D. L. Drabkin and G. F. Springer. Designed specifically for clinical estimation of protein constituents of human blood serum, but useful also for the study of other organic or inorganic systems with similar electromigratory characteristics.

Sharp separation of migration of normal serum can be completed in approximately 6 hours, using a 250-volt potential, and the entire procedure—including fixing, staining, drying and evaluating—can be accomplished in from 7 to 10 hours.

Cabinet is of crystal clear, transparent methacrylate plastic, $\frac{1}{4}$ -inch thick, with removable plate glass cover; overall dimensions 16 inches long x $9\frac{1}{2}$ inches wide x 6 inches high; can be readily inserted into refrigerators,

incubators, etc. With recessed platinum foil electrodes which extend the entire width of the cabinet; central platform, which supports the phenolic plastic paper strip carrier in the migration chamber and labyrinth-type electrode troughs both finished with black surface for contrast; and switch which breaks the current when cover is lifted. Carrier permits use of a single paper sheet or multiple strips up to a maximum width of $7\frac{3}{8}$ inches.

Direct Current Power Supply is a rectifier-transformer type unit with voltmeter, milliammeter, precise fine and coarse voltage controls and polarity reversing switch. Maximum output without load, 300 volts. With two polarized receptacles for simultaneous connection, if desired, to two Cabinets.

More detailed information sent upon request.

4937-W5. Electrophoresis Apparatus, Paper Strip Model, A.H.T. Co. Specification, as above described, consisting of Cabinet with recessed platinum foil electrodes, removable plate glass cover, plastic carrier for paper strips, and Direct Current Power Supply, 300 volts, 50 milliamperes, with two receptacles. With directions for use. For 115 volts, a.c. only 375.00

NOTE—An improved Recording Densitometer for use with above is now under development. Upon request, information will be sent as soon as available.



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