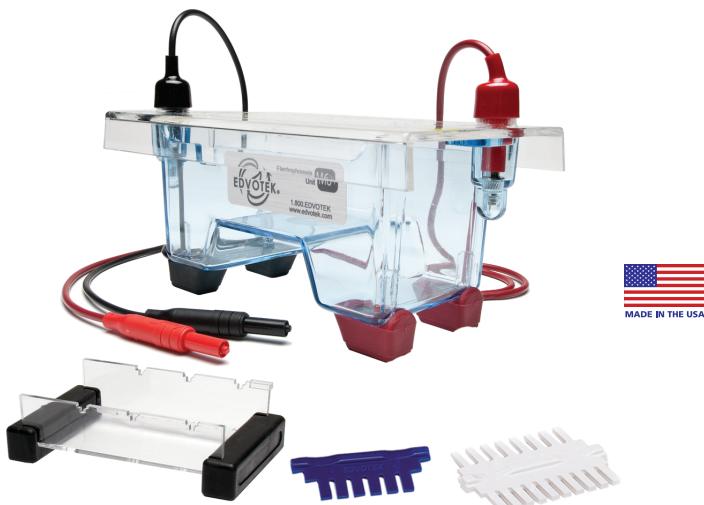


Catalog #500

M6Plus Horizontal Electrophoresis Apparatus



The injection-molded, U.V. transparent M6Plus Electrophoresis Apparatus is designed as a great introductory level unit. The M6Plus is a safe, high quality horizontal gel apparatus which incorporates all of the features found in more expensive units in an economical size which helps save on the cost of agarose gels, buffer and staining solutions. The removable U.V. transparent tray has features which include a molded embossing gel ruler and orientation arrow for the first sample. Includes detailed guidelines for electrophoresis.

OPERATION

When casting the agarose gel, the temperature of the melted agarose which is poured into the gel bed should not exceed 60° C. Hot agarose solution may irreversibly warp the bed. Upon completion of the electrophoresis run, turn off and unplug the power source and disconnect the leads before removing the cover. Gently lift the cover straight up to prevent pulling directly on the electrodes. Do not attempt to run the apparatus without the cover in place. The gel should be removed from the apparatus for staining. Do not stain gels in the apparatus.

To clean the electrophoresis apparatus chamber, gel bed and combs, wash with tap or distilled/deionized water and let the components air dry. Do not use detergents of any kind, or expose any part of the apparatus to any organic solvent, acid or alkali. The acrylic chamber of the apparatus is well sealed and will withstand normal intended use. However, should an unlikely leak develop, immediately shut off power. Do not use the apparatus.

NOTE:
After the agarose gel has been poured and the gel has solidified, remove the rubber dams from the tray slowly to avoid damaging and ripping the gel. Carefully remove comb(s) as they can also tear the gel.

Features:

- One Electrophoresis Apparatus
- One 7 x 10 cm tray
- One 6 tooth comb
- One 8/10 tooth comb
- Two rubber end caps

Specs:

Max Voltage: 150 Volts
Max Current: 300 Millamps
Type Output: Constant Voltage
Lead Inputs: 2 Sets, Recessed, Color Coded
Fuse: 1.0 Amp
Input Power: 50/60 Hz, 110 Volts
Connection: 3-Wire Grounded Cord

Table
A

Individual 0.8% UltraSpec-Agarose™ Gel

Size of Gel Casting tray	Concentrated Buffer (50x)	+	Distilled Water	+	Amt of Agarose	=	TOTAL Volume
7 x 7 cm	0.6 ml		29.4 ml		0.23 g		30 ml
7 x 10 cm	1.0 ml		49.0 ml		0.39 g		50 ml

Table
B

1x Electrophoresis Buffer (Chamber Buffer)

EDVOTEK Model #	Total Volume Required	Dilution	
		50x Conc. Buffer	+ Distilled Water
M6Plus	300 ml	6 ml	294 ml

Table
C

Time & Voltage Guidelines (0.8% Agarose Gel)

EDVOTEK Model #	150 Volts Min. / Max.	125 Volts Min. / Max.	75 Volts Min. / Max.
M6Plus	15/20 min.	20/30 min.	35/45 min.

** for faster electrophoresis gel run, decrease running buffer volume in chamber to just slightly above the gel surface. Run the gel for the desired separation - monitor the tracking dye and terminate electrophoresis before the dye reaches the end of the gel.

Also available:

Cat. #684 E-Z Align™ Tray
7x7 cm tray with end caps.



EDVOTEK®

1.800.EDVOTEK | www.edvotek.com | info@edvotek.com