



A Geno Technology, Inc. (USA) brand name

Geno ElectroPhoreTM

Cat. No. BT105

INTRODUCTION

Thanks for choosing BT Lab Systems' Geno ElectroPhore™. This instrument is a Mini Horizontal Gel Electrophoresis System. A simple and economical device for a variety of agarose electrophoresis applications. Supplied with agarose gel casting tray and horizontal tank. The ultimate in simplicity and convenience in casting agarose gels. Light-weight and simple to use. The gel casting tray is designed to eliminate the leak problems common with other gel casting trays. The device allows casting of agarose gels in two sizes: two 5 x 8.3cm mini gels and one 10.5 x 8.3cm gel. The casting trays are provided with background black strips for high well visibility. Supplied with two mini gel trays and one large trays and two different size combs. The combs provide either 13 and 6 wells (0.6 x 0.1cm well) or 17 and 8 wells (0.4 x 0.1cm well) for the large and mini gels, respectively. Interlocked ventilated fog free lid allows full view of gel during electrophoresis

KEY FEATURES

- Less Agarose consumption
- Less running buffer consumption
- Multichannel pipette-compatible
- Single molded tank
- Two tray options available
- Safety & Ventilation lid
- Cast 3 pcs of agarose gel in one time
- No direct heat impact from power supply unit
- High temperature capability, 130 ° C
- Easy sample loading
- Great indications for gel making and running
- No tapes, clamps or springs needed for gel casting

TECHNICAL SPECIFICATIONS

- Polycarbonate construction
- 130°C temperature capacity
- 136 x 188 x 58mm dimension
- Gel dimension of 105 x 83mm and 50 x 83mm
- 10mm maximum gel thickness
- Maximum 25 samples
- 400ml buffer volume
- Black well visualization strip and migration distance index line

COMB DIMENSION AND LOADING VOLUME GUIDE

Tooth Thickness (mm)	Tooth Width (mm)	Capacity per well ¹ (µl)
1.0	4.0	24
1.0	6.0	36

OPERATION

1. Put the Gel Tray in the casting system.
2. Select the analytical comb most suitable for your application.
3. Pour 50-60ml of heated agarose gel into one of the 105 x 83mm trays or two of the 50 x 83mm trays.
4. Attach the comb to the comb holder.
5. Once the gel has formed, carefully pick up the comb and tray.

TECHNICAL SUPPORT

BT Lab Systems offers technical support for all of its products. If you have any questions about the product's use or, operation, please contact BT Lab Systems at the following:

E-Mail: info@BTLabSystems.com