

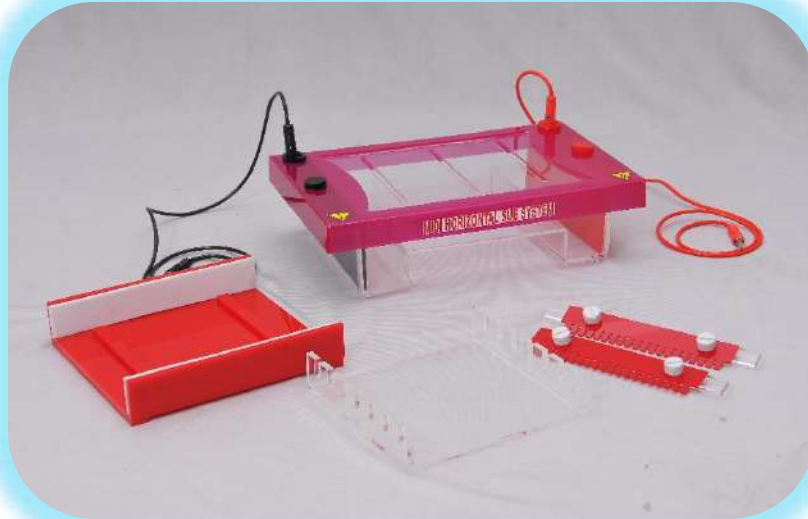


# **MIDI SUBMARINE GEL SYSTEM**

## **BIO 03-22**

**Complete Solution for Life Science Research**

## MIDI SUBMARINE GEL SYSTEM



**Horizontal electrophoresis systems, also called submarine units, are systems designed to run agarose submerged in running buffer.**

Samples are introduced to an electric field and will migrate to the anode or cathode depending on their intrinsic charge. Systems can be used to separate DNA, RNA and proteins for quick screening applications such as sample quantification, size determination or PCR amplification detection. Systems typically come with submarine tank, casting tray, combs, electrodes and power supply. Mini, midi and maxi gel sizes are available for small, medium and large gels. System size choice will depend on sample type, size, running time and electrophoresis conditions. Important considerations for horizontal electrophoresis systems are sample type, buffer conditions, time and voltage needed to separate fragments, and bench top size restrictions.



## Technical Specification

| Description                 | MIDI SUBMARINE GEL SYSTEM                                             |
|-----------------------------|-----------------------------------------------------------------------|
| Unit Dimensions (L x W x H) | 31 x 18.5 x 9.5 cm                                                    |
| Gel Size                    | 15 X 10 Cm                                                            |
| Maximum Sample Capacity     | 60 samples                                                            |
| Height Adjustable Combs     | 15 Well Adjustable Combs (2 No's)<br>20 Well Adjustable Comb (2 No's) |
| Comb Thickness              | 1.5 mm                                                                |
| Gel Running Tray            | 10 X 15 Cm (1 No)                                                     |
| Comb Slots                  | 3 slots for 10 x 15 cm,                                               |
| Gel Casting Tray            | 2 No's                                                                |
| Platinum Electrodes         | (Anode and Cathode) Detachable                                        |
| Connecting Cord             | 1 Pair (Red and Black)                                                |
| USER MANUAL                 |                                                                       |

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