

# Horizontal Gel Units

## BENEFITS INCLUDE

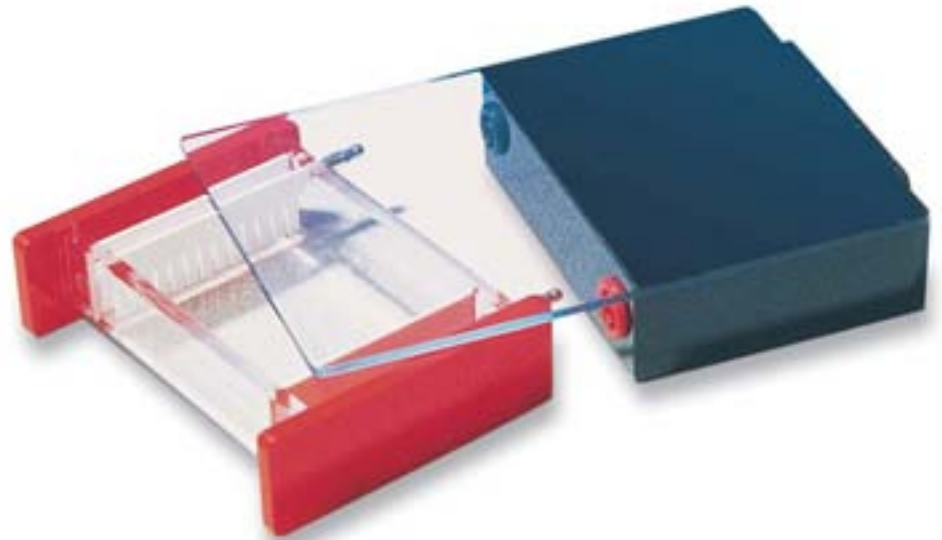
- **Low voltage** - 2 non-rechargeable PP3 batteries, providing a maximum 18-Volt output, make the HB-SET ideal for use in schools and colleges where safety is paramount
- **Integrated safety lid** - ensures that the gel remains inaccessible during use
- **UV-transparent acrylic** - for direct visualisation of the gel within the tank, limiting the user's exposure to hazardous ethidium bromide
- **Ultra-compact tank** - minimises the buffer volume required to cover the gel, providing optimal control over the voltage gradient and run-time
- **Small size** - allows safe and easy transportation from the bench to the transilluminator
- **Cost-effective** - no need for expensive power supplies, while built-in plastic casting gates allow direct gel casting in the tank without additional costly accessories

## TECHNICAL SPECIFICATION

Unit Dimensions (W x L x H)	11 x 17 x 3.5cm
Gel Dimensions (W x L)	6 x 7.5cm
Minimum Buffer Volume	50ml
Maximum Sample Capacity	32
Combs	2
Comb Thickness	1mm
Comb Throughput	4 to 16 samples
Comb Slots	2
Migration Distance Between Comb Slots	3.5cm
Running Voltage	18V
Recommended Power Source	2 x (9V) PP3 batteries

## DO YOU NEED...?

AGAROSE	SEE PAGE 136
A CUSTOMISED COMB	SEE PAGE 42
A POWER SUPPLY	SEE PAGES 100-103
A GEL DOCUMENTATION SYSTEM	SEE PAGE 108
GEL ANALYSIS SOFTWARE	SEE PAGE 109



## HB-SET Mini-gel

The HB-SET battery mini-gel electrophoresis unit is designed specifically with safety and cost in mind: in that no power supply is necessary.



### TECHNICAL | Tip:

**Enhance Resolution:** 2 x TAE buffer can be used in units with low buffer volume to enhance resolution during extended runs.

## ORDERING INFORMATION

### Complete System

Horizontal mini-gel unit with built-in casting tray and 2 x 1mm thick, 8-sample combs and 2 x non-rechargeable PP3 batteries

### Part No.

HB-SET

### Replacement Parts & Accessories

2 x casting gates	HB-CG
2 x non-rechargeable PP3 batteries	HB-BAT
2 x 0.2mm thick, platinum electrode wire	PT-0.2

### HB-SET Combs

Part No.	Thickness (mm)	Sample Throughput	Tooth Width (mm)	Max. Spacing (mm)	Sample Volume in a 5mm Deep Well (µl)
H2-C1-4	1	4	11.5	1	50
H2-C1-8	1	8	5.25	1	23
H2-C1-12	1	12	3.5	1	15
H2-C1-16	1	16	2.25	1	10