

Horizontal Gel Units



BENEFITS INCLUDE

- **Large format** - 25 x 30cm gel tray is ideal for high-throughput techniques, such as HLA typing and screening PCR® products
- **Twelve comb slots** - at 2cm intervals along the tray for rapid, high throughput separation of a maximum 624 samples
- **Multi-channel pipette compatible combs** - with a maximum 52-sample throughput - allow samples to be loaded quickly and easily from 96 and 384-well thermal cyclers
- **Combs** - colour-coded and height-adjustable - offer complete control over loading volume and well depth
- **Buffer recirculation ports** - may be connected to a peristaltic pump for buffer recirculation during electrophoresis to maintain buffer pH and prevent ionic gradient formation
- **Coloured loading strips** - for easy well detection when loading
- **UV-transparent acrylic casting tray** - allows the user to handle the gel on the transilluminator with minimum risk of exposure to hazardous ethidium bromide
- **Side handles** - for safe and easy transportation around the laboratory
- **Cooled version available** - see page 26

HU25 Maxi-Plus Standard Horizontal

The HU25 maxi-plus standard horizontal gel electrophoresis unit is ideal for high throughput analysis of nucleic acids.

HU25 CASTING OPTIONS

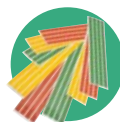
HU25-CG - casting gates with integral silicone seals effectively seal the tray without the need for tape, provided the silicone gasket faces outwards as shown



HU25-SS - 25cm long Scie-Plas Super-Seals offer total versatility in casting, allowing the gel length to be tailored to each user's personal requirements



Replacement parts and accessories



ORDERING INFORMATION

Complete System

Maxi-plus standard horizontal gel unit with removable casting tray, including casting gates with integral silicone seals, 6 x 1mm thick, 26-sample combs, coloured loading strips and buffer recirculation ports

Part No.

HU25

Replacement Parts & Accessories

1 x gel casting tray, 25 x 30cm, including casting gates with integral silicone seals

HU25-UT

2 x buffer recirculation ports

HU-BRP

2 x casting gates with integral silicone seals

HU25-CG

1 x silicone gasket, 1 metre

HU-SG

2 x Scie-Plas Super-Seals

HU25-SS

36 x coloured loading strips

HU25-CS

1 x gel scoop

HU25-GS

2 x 0.2mm thick, platinum electrode wire

PT-0.2

2 x 1 metre power leads with shrouded

4mm power output connectors

CABLE-4

HU25 Combs

| Part No. | Thickness (mm) | Sample Throughput | Tooth Width (mm) | Max. Spacing (mm) | Sample Volume in a 5mm Deep Well (µl) |
|--------------------|----------------|-------------------|------------------|-------------------|---------------------------------------|
| *HU25-C1-26MC | 1 | 26 | 7 | 2 | 30 |
| *HU25-C1-52MC | 1 | 52 | 3 | 1.5 | 13 |
| +HU25-C1-26/52MC | 1 | 26/52 | 5/2.5 | 4/2 | 22/11 |
| *HU25-C1.5-26MC | 1.5 | 26 | 7 | 2 | 45 |
| *HU25-C1.5-52MC | 1.5 | 52 | 3 | 1.5 | 20 |
| +HU25-C1.5-26/52MC | 1.5 | 26/52 | 5/2.5 | 4/2 | 32/16.5 |
| *HU25-C2-26MC | 2 | 26 | 7 | 2 | 60 |
| *HU25-C2-52MC | 2 | 52 | 3 | 1.5 | 25 |
| +HU25-C2-26/52MC | 2 | 26/52 | 5/2.5 | 4/2 | 43/21 |

*Multi-channel pipette compatible

+Reversible and multi-channel pipette compatible



TECHNICAL TIP |

Electrophoresis Buffer Selection: TAE buffer provides optimal resolution of fragments >4kb in length, while for 0.1 to 3kb fragments TBE buffer should be selected. TBE has both a higher buffering capacity and lower conductivity than TAE and therefore should be used for high-voltage electrophoresis. Additionally, TBE buffer generates less heat than TAE at an equivalent voltage and does not allow a significant pH drift.

TECHNICAL SPECIFICATION

| | |
|---------------------------------------|------------------|
| Unit Dimensions (W x L x H) | 33 x 56 x 9cm |
| Gel Size (W x L) | 25 x 30cm |
| Buffer Volume | 3000ml |
| Buffer Recirculation Ports | 2 |
| Maximum Sample Capacity | 624 |
| Combs | 6 |
| Comb Thickness | 1, 1.5 or 2mm |
| Comb Throughput | 26 to 52 samples |
| Comb Slots | 12 |
| Migration Distance Between Comb Slots | 2cm |
| Recommended Running Voltage | 150 to 200V |
| Power Output Connectors (diameter) | Shrouded, 4mm |
| Recommended Power Supplies | Consort EV243 |

DO YOU NEED...?

A CUSTOMISED GEL TRAY
SUPER-SEALS™
A POWER SUPPLY
A GEL SCOOP
UV TRANSILLUMINATORS

SEE PAGE 43
SEE PAGE 39
SEE PAGES 100-103
SEE PAGE 40
SEE PAGE 112