

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

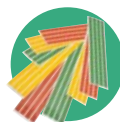
HU25-CG - casting gates with integral silicone seals effectively seal the tray without the need for tape, provided the silicone gasket faces outwards as shown



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