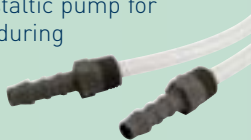


Horizontal Gel Units



BENEFITS INCLUDE

- **Large format** - 20 x 20cm gel tray is ideal for high-resolution techniques, such as screening PCR[®] products and RFLP analysis
- **Four comb slots** - at 5cm intervals along the tray for faster separation of a maximum 168 samples
- **Multi-channel pipette compatible combs** - with a maximum 42-sample throughput - reduce gel-loading time
- **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 24



HU20 Maxi-Standard Horizontal

The HU20 maxi-standard horizontal gel electrophoresis unit is ideal for high-resolution analytical and preparative studies of nucleic acids.

HU20 CASTING OPTIONS

HU20-CG - casting gates with integral silicone seals effectively seal the tray without the need for tape, provided the silicone gasket faces outwards as shown



HU20-SS - 20cm 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-standard horizontal gel unit with removable casting tray, including casting gates with integral silicone seals, 2 x 1mm thick, 16-sample combs, coloured loading strips and buffer recirculation ports

Part No.

HU20

Replacement Parts & Accessories

1 x gel casting tray, 20 x 20cm, including casting gates with integral silicone seals

HU20-UT

2 x buffer recirculation ports

HU-BRP

2 x casting gates with integral silicone seals

HU20-CG

1 x silicone gasket, 1 metre

HU-SG

2 x Scie-Plas Super-Seals

HU20-SS

12 x coloured loading strips

HU20-CS

1 x gel scoop

HU20-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

HU20 Combs

| Part No. | Thickness (mm) | Sample Throughput | Tooth Width (mm) | Max. Spacing (mm) | Sample Volume in a 5mm Deep Well (µl) |
|--------------------|----------------|-------------------|------------------|-------------------|---------------------------------------|
| HU20-C1-16 | 1 | 16 | 8.5 | 3 | 35 |
| *HU20-C1-20MC | 1 | 20 | 7 | 2 | 30 |
| HU20-C1-28 | 1 | 28 | 5 | 2 | 20 |
| *HU20-C1-40MC | 1 | 40 | 3 | 2 | 13 |
| +HU20-C1-21/42MC | 1 | 21/42 | 5/2.5 | 4/2 | 22/11 |
| HU20-C1.5-16 | 1.5 | 16 | 8.5 | 3 | 55 |
| *HU20-C1.5-20MC | 1.5 | 20 | 7 | 2 | 45 |
| HU20-C1.5-28 | 1.5 | 28 | 5 | 2 | 30 |
| *HU20-C1.5-40MC | 1.5 | 40 | 3 | 2 | 19 |
| +HU20-C1.5-21/42MC | 1.5 | 21/42 | 5/2.5 | 4/2 | 32/16.5 |
| HU20-C2-16 | 2 | 16 | 8.5 | 3 | 75 |
| *HU20-C2-20MC | 2 | 20 | 7 | 2 | 60 |
| HU20-C2-28 | 2 | 28 | 5 | 2 | 40 |
| *HU20-C2-40MC | 2 | 40 | 3 | 2 | 25 |
| +HU20-C2-21/42MC | 2 | 21/42 | 5/2.5 | 4/2 | 43/21.5 |

*Multi-channel pipette compatible

+Reversible and multi-channel pipette compatible



TECHNICAL TIP | RNA

Mobility: Either before or during electrophoresis, RNA should be denatured. For example:-

- RNA fragments which have been denatured with glyoxal and dimethyl sulphoxide can be separated on neutral agarose gels; or
- RNA can be fractionated on agarose gels containing methylmercuric hydroxide or formaldehyde.
- RNA samples usually require longer runs or buffers that are easily depleted, so it is necessary to circulate the buffer. Northern analyses should not be run on a mini-gel tank.

TECHNICAL SPECIFICATION

| | |
|---------------------------------------|------------------|
| Unit Dimensions (W x L x H) | 27 x 47.5 x 8cm |
| Gel Size (W x L) | 20 x 20cm |
| Buffer Volume | 2200ml |
| Buffer Recirculation Ports | 2 |
| Maximum Sample Capacity | 168 |
| Combs | 2 |
| Comb Thickness | 1, 1.5 or 2mm |
| Comb Throughput | 16 to 42 samples |
| Comb Slots | 4 |
| Migration Distance Between Comb Slots | 5cm |
| Recommended Running Voltage | 150 to 175V |
| Power Output Connectors (diameter) | Shrouded, 4mm |
| Recommended Power Supplies | Consort EV243 |