

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 image the gel without risk of damage due to handling
- **Side handles** - for safe and easy transportation around the laboratory
- **Cooled version available** - see page 18



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-C1.5-16	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-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

*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 Supply	Consort EV243