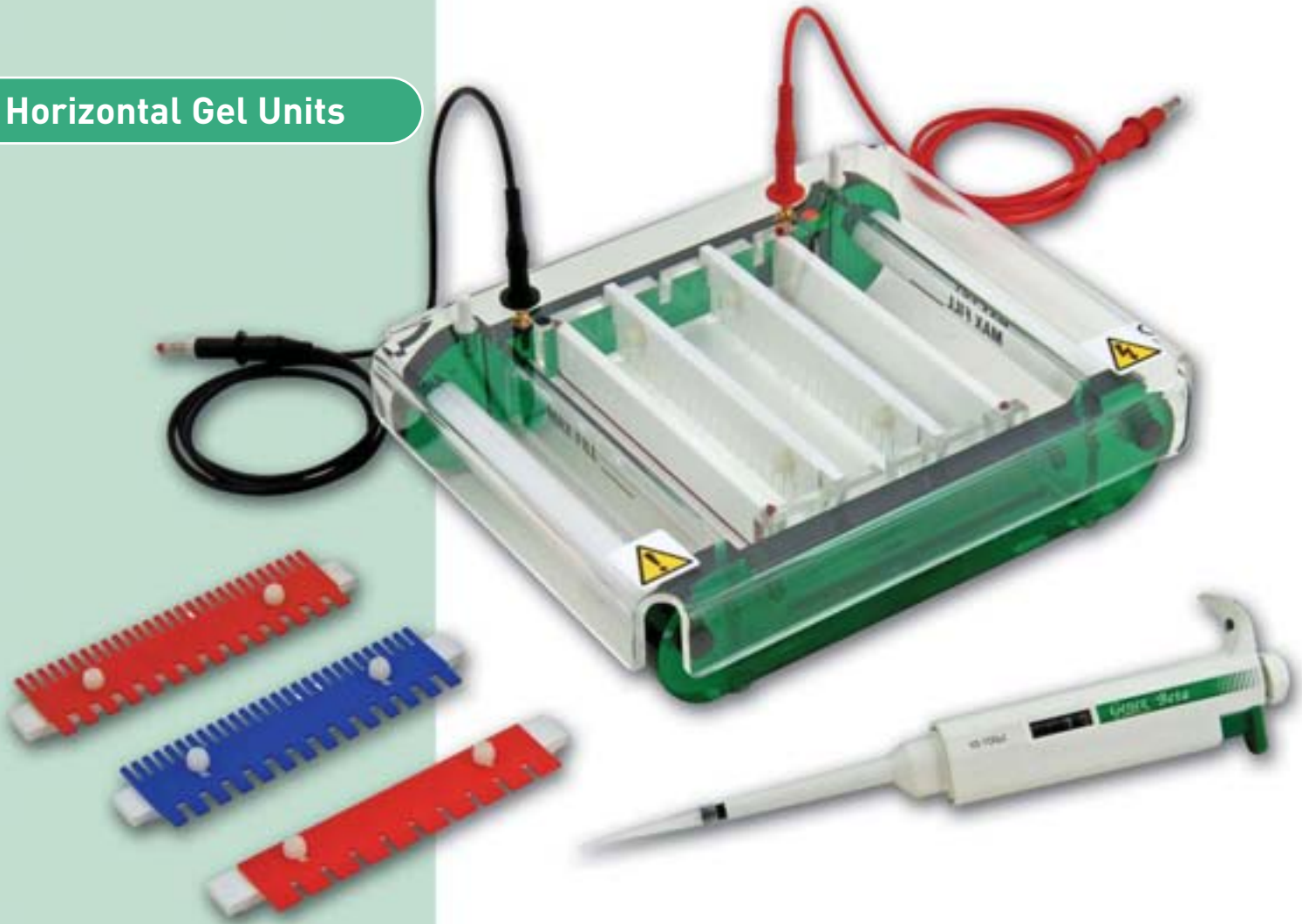


Horizontal Gel Units



BENEFITS INCLUDE

- **Wide format** - allows more samples to be screened on the same gel up to a maximum 128-sample throughput
- **Combs** - colour-coded and height-adjustable - offer complete control over loading volume and well depth
- **Wider teeth** - on combs with 20 samples or less - accommodate larger sample volumes, allowing nucleic acids to be scaled up for cloning
- **Four comb positions** - in the same 2.5cm intervals along the tray as its HU10 counterpart - ensure swift separation of multiple samples
- **Coloured loading strips** - for easy well detection when loading
- **Compact tank** - reduces the buffer volume required to cover the gel, providing greater control over the voltage gradient and run-time
- **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

HU10W Wide Format Mini-Plus Horizontal

The HU10 wide format mini-plus horizontal gel electrophoresis unit is ideal for routine preparatory and analytical electrophoresis techniques

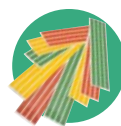
HU10W IN-TANK CASTING OPTIONS

HU10W-UT - casting gates with integral silicone seals effectively seal the tray without the need for tape, provided the silicone gasket faces outwards as shown

HU10W-SS - 14.4cm 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

Mini-plus wide format horizontal gel unit with removable casting tray, including casting gates with integral silicone seals, 2 x 1mm thick, 20-sample combs and coloured loading strips

Part No.

HU10W

Replacement Parts & Accessories

1 x gel casting tray 14.4 x 10.2cm
2 x casting gates with integral silicone seals
1 x silicone gasket, 1 metre
2 x Scie-Plas Super-Seals
12 x coloured loading strips
1 x gel scoop
2 x 0.2mm thick, platinum electrode wire
2 x 1 metre power leads with shrouded 4mm power output connectors

HU10W-UT

HU10W-CG

HU-SG

HU10W-SS

HU10W-CS

HU10W-GS

PT-0.2

CABLE-4

HU10W Combs

Part No.	Thickness (mm)	Sample Throughput	Tooth Width (mm)	Max. Spacing (mm)	Sample Volume in a 5mm Deep Well (µl)
HU10W-C1-4	1	4	33	2	142
*HU10W-C1-8MC	1	8	15.5	2	67
HU10W-C1-10	1	10	12	2	52
HU10W-C1-12	1	12	9.4	2.3	40
*HU10W-C1-16	1	16	6.8	2	30
HU10W-C1-20	1	20	5	2	22
HU10W-C1-26	1	26	3.6	1.8	18
*HU10W-C1-32MC	1	32	2.6	1.8	13
HU10W-C1.5-4	1.5	4	33	2	210
*HU10W-C1.5-8MC	1.5	8	15.5	2	100
HU10W-C1.5-10	1.5	10	12	2	77
HU10W-C1.5-12	1.5	12	9.4	2.3	61
*HU10W-C1.5-16	1.5	16	6.8	2	44
HU10W-C1.5-20	1.5	20	5	2	32
HU10W-C1.5-26	1.5	26	3.6	1.8	27
*HU10W-C1.5-32MC	1.5	32	2.6	1.8	19.5
HU10W-C2-4	2	4	33	2	280
*HU10W-C2-8	2	8	15.5	2	133
HU10W-C2-10MC	2	10	12	2	103
HU10W-C2-12	2	12	9.4	2.3	81
*HU10W-C2-16MC	2	16	6.8	2	59
HU10W-C2-20	2	16	5	2	43
HU10W-C2-26	2	26	3.6	1.8	36
*HU10W-C2-32MC	2	32	2.6	1.8	26

*Multi-channel pipette compatible

+Reversible and multi-channel pipette compatible

TECHNICAL SPECIFICATION

Unit Dimensions (W x L x H)	20 x 25 x 6.5cm
Gel Dimensions (W x L)	14.4 x 10.2cm
Buffer Volume	500ml
Maximum Sample Capacity	128
Combs	2
Comb Thickness	1, 1.5 or 2mm
Comb Throughput	4 to 32 samples
Comb Slots	4
Migration Distance Between Comb Slots	2.5cm
Recommended Running Voltage	100 to 125V
Power Output Connectors (diameter)	Shrouded, 4mm
Recommended Power Supplies	Scie-Plas MPSU-200/100 Consort EV222



TECHNICAL TIP |

Gel Concentration Selection: The range of fragment sizes to be separated will determine the choice of agarose concentration for a gel. Typical agarose concentration is 0.5% to 3.0%. For large DNA fragments low-percentage gels are required, while for small DNA fragments, high percentage gels are recommended. Weak gels (<0.5% agarose) should be electrophoresed at low temperatures (e.g. ~4°C). Agarose gels of 0.75% to 1.0% for routine electrophoresis are recommended for a wide range of separations (0.15 to 15kb). 2-4% agarose gels are usually selected for PCR fragment resolution.