

BENEFITS INCLUDE

- Four casting options provide total flexibility in gel casting, either directly within the tank or externally when the tank is in use
- Combs colour-coded and heightadjustable - offer complete control over loading volume and well depth to a maximum 112-sample throughput
- Four comb positions at 3.5cm intervals along the tray for faster separation of multiple samples
- 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
- 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 image the gel without risk of damage due to handling
- **Side handles -** for safe and easy transportation around the laboratory

HU13 Midi Horizontal

minimi

The HU13 midi horizontal gel electrophoresis unit is ideal for analytical and preparative studies of nucleic acids.

HU13 IN-TANK CASTING OPTIONS

HU13-UT - silicone gaskets, lining the HU10 casting tray, form a leak proof seal against the inner walls of the running chamber when the casting tray is turned at 90° to the direction of electrophoresis



HU13-SS - 13cm long Scie-Plas Super-Seals offer total versatility in casting, allowing the gel length to be tailored to each user's personal requirements



ORDERING INFORMATION

Complete System Midi horizontal gel unit with removable casting tray and 2 x 1mm thick, 16-sample combs, coloured loading strips and	Part No.
buffer recirculation ports	HU13
Replacement Parts & Accessories	
1 x gel casting tray 12.8 x 15cm	HU13-UT
2 x buffer recirculation ports	HU-BRP
2 x silicone casting gates	HU13-SCG
1 x silicone gasket, 1 metre	HU-SG
2 x Scie-Plas Super-Seals	HU13-SS
12 x coloured loading strips	HU13-CS
1 x external casting unit for 3 gel casting trays	HU13-CU
1 x gel scoop	HU13-GS
2 x 0.2mm thick, platinum electrode wire	PT-0.2
2 x 1metre power leads with shrouded	
4mm power output connectors	CABLE-4

HU13 Combs

Part No.	Thickness (mm)	Sample Throughput	Tooth Width (mm)	Max. Spacing (mm)	Sample Volume in a 5mm Deep Well (µl)
HU13-C1-10	1	10	9.5	2.5	40
HU13-C1-12MC	1	12	8	2	35
HU13-C1-16	1	16	5.5	2	25
HU13-C1-20	1	20	4	2	17
HU13-C1-24	1	24	3	2	13
*HU13-C1-28MC	1	28	3	1.5	13
HU13-C1.5-10	1.5	10	9.5	2.5	60
HU13-C1.5-12MC	1.5	12	8	2	50
HU13-C1.5-16	1.5	16	5.5	2	35
HU13-C1.5-20	1.5	20	4	2	25
HU13-C1.5-24	1.5	24	3	2	20
*HU13-C1.5-28MC	1.5	28	3	1.5	20
HU13-C2-10	2	10	9.5	2.5	85
HU13-C2-12MC	2	12	8	2	70
HU13-C2-16	2	16	5.5	2	50
HU13-C2-20	2	20	4	2	35
HU13-C2-24	2	24	3	2	25
*HU13-C2-28MC	2	28	3	1.5	25

^{*}Multi-channel pipette compatible

TECHNICAL SPECIFICATION

Unit Dimensions (W x L x H)	20 x 32 x 7cm
Gel Dimensions (W x L)	12.8 x 15cm
Buffer Volume	900ml
Buffer Recirculation Ports	2
Maximum Sample Capacity	112
Combs	2
Comb Thickness	1, 1.5 or 2mm
Comb Throughput	10 to 28 samples
Comb Slots	4
Comb Slots Migration Distance Between Comb Slots	3.5cm
Migration Distance Between	<u> </u>
Migration Distance Between Comb Slots Recommended Running	3.5cm

DO YOU NEED...?

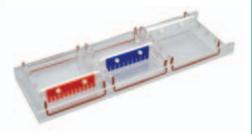
ELECTROPHORESIS BUFFERS COLOURED LOADING STRIPS A POWER SUPPLY AN EXTERNAL CASTING UNIT A GEL SCOOP SEE PAGE 119 SEE PAGE 34 SEE PAGES 91-92 SEE PAGE 32 SEE PAGE 34

HU13 EXTERNAL CASTING OPTIONS

HU13-SCG - silicone casting gates slot into the grooves at each end of the casting tray to form a leak-free seal



HU13-CU - silicone gaskets, seated in the groove of each casting tray form a leak-free seal against the walls of the casting unit, allowing 3 gels to be cast simultaneously



TECHNICAL TIP | DNA Mobility:
DNA fragments as small as 1kb or
less can be separated using agarose gel
electrophoresis. For fragments smaller than
0.1kb, polyacrylamide gels are more suitable.