

Horizontal Gel Units

ALYS Labware, Lausanne

Tel: 021 312 42 60

Fax: 021 312 42 61

labware@alys-technologies.com

MAXI - standard and cooled

gel size: 20 x 20cm



with Removable Gel Casting Tray

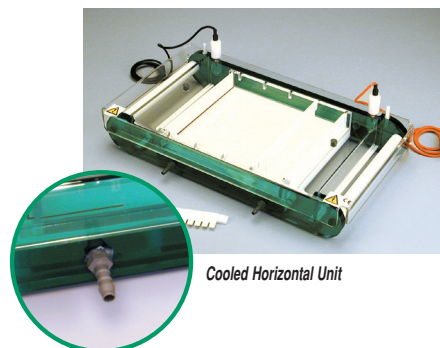
- Up to 160 samples can be screened on one gel
- Buffer recirculation ports as standard
- Combs compatible with multichannel pipettes
- Four comb slots
- Cooled option allows shorter run times without loss of resolution

for comb specifications and ordering details see pages 14/15

Designed for both analytical and preparative studies of nucleic acids, **Maxi** Horizontal Gel Units feature as standard, buffer recirculation ports, to prevent buffer depletion. Four comb positions permit the screening of up to 160 samples. Gel casting gates, which have a silicone rubber edge gasket, fit into a removable gel casting tray. This provides leak-free gel pouring.

Maxi Cooled units offer the same features as the standard models but with the addition of cooling in the base. The cooling allows the gel to be run at higher voltages for quicker running times without the loss of resolution.

For details on the **K-ELECTRO4** chiller which has been optimised for use with the Cooled Maxi Horizontal Unit, please refer to page 32.



Cooled Horizontal Unit

GEL CASTING for Maxi and Maxi-Plus

Remove the casting gates from the gel casting tray. Make sure that the silicone gaskets in the casting gates are seated evenly in the grooves, with the ends of the gasket flush with the tops of the gates. Place the gates into the grooves of the gel casting tray, with the silicone rubber gasket facing the outside of the tray.



Insert the gates into the ends of the UV tray and the comb(s) into the comb slot(s)



Agarose gel solutions should be cooled to 50°C, poured into the tray and allowed to set



When ready, the casting gates and comb(s) are removed and the gel casting tray placed in the unit for electrophoresis.

Typical Applications

Designed for high resolution electrophoresis. Applications include DNA analysis and PCR® and restriction fragment screening.

Ordering Information

Maxi Horizontal Horizontal Gel Unit with Removable Gel Casting Tray	HU20
Cooled Maxi Horizontal Gel Unit with Removable Gel Casting Tray	CHU20
Both models include: 1 x UV Tray 20 x 20cm (W x L), 2 x 1mm 16 Sample Combs, Coloured Strips and 2 Casting Gates	
Gel Casting Tray	HU20-UT
Gel Casting Gates, pk/2	HU20-CG
Silicone Gasket, 1 metre	HU-SG
Coloured Loading Strips	HU20-CS
Buffer Recirculation Ports	HU-BRP
Replacement Pt Wire, 50cm, for Maxi and Cooled Maxi series	PT-0.2

Technical Specifications

Gel dimensions, (W x L)	Maxi	20 x 20cm
Unit dimensions (W x L x H)	Maxi	27 x 47.5 x 8cm
Max. sample capacity	Maxi	160
Buffer volume	Maxi	2,200ml
Combs available : No. of samples Thicknesses		16, 20, 28, 40 1, 1.5, 2mm

Horizontal Gel Units

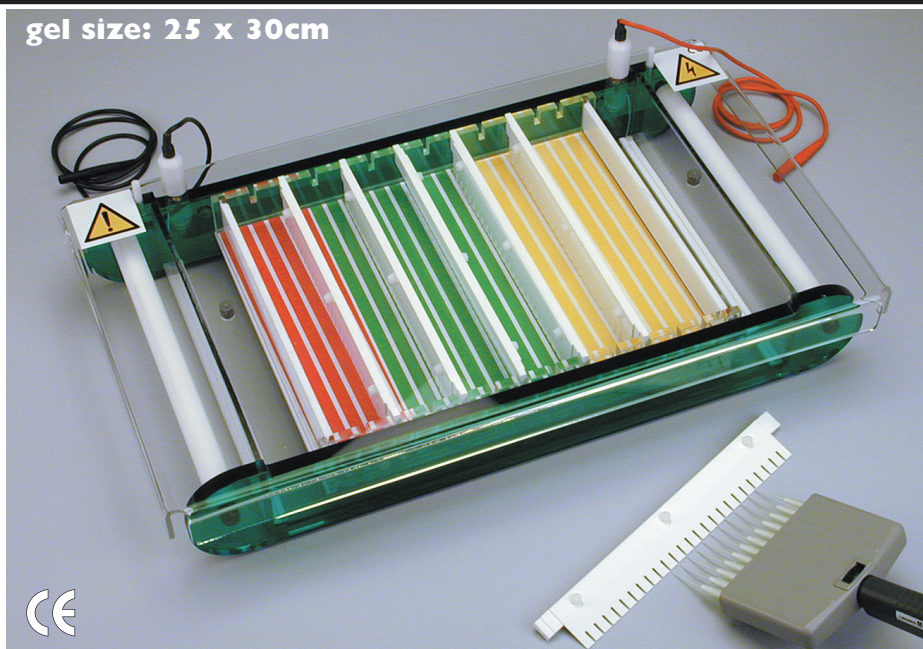
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MAXI-PLUS - standard and cooled

with Removable Gel Casting Tray

- Up to 624 samples using 12 comb slots
- Used for mass screening of PCR® products, eg. HLA typing
- All combs compatible with multichannel pipettes
- Buffer recirculation ports as standard
- Comb height is adjustable to ensure adequate well depth across full gel width

gel size: 25 x 30cm



Combs compatible with multichannel pipettes

The **Maxi-Plus** Horizontal Gel Unit has been specifically designed to allow rapid and convenient screening of PCR* products. When using a 96 well PCR* machine all samples can be screened on a single gel. Loading is simple using a standard multi-channel pipette. The unit is supplied with a UV-transparent tray for easy visualisation. For varying sample numbers a range of alternative combs can be used. As there are 12 comb positions, up to 624 samples can be separated on a single gel. Gel casting gates, which have a silicone rubber edge gasket, fit into a removable gel casting tray. These provide leak-free gel pouring.

Maxi-Plus Cooled units offer the same features as the standard models but with the addition of cooling in the base. The cooling allows the gel to be run at higher voltages for quicker running times without the loss of resolution.

For details on the **K-ELECTRO4** chiller which has been optimised for use with the Cooled Maxi Horizontal Unit, please refer to page 32.

Typical Applications

Quick and convenient screening of PCR® products, eg. HLA typing.



for Power Supplies, see pages 34/35 and Product Picker facing page 1



Technical Specifications

Gel dimensions, (W x L)	Maxi-Plus 25 x 30cm
Unit dimensions (W x L x H)	Maxi-Plus 33 x 56 x 9cm
Max. sample capacity	Maxi-Plus 624
Buffer volume	Maxi-Plus 3,000ml
Combs available :	
No. of samples	26, 52
Thicknesses	1, 1.5, 2mm

Ordering Information

Maxi-Plus Horizontal Gel Unit with Removable Gel Casting Tray	HU25
Cooled Maxi-Plus Horizontal Gel Unit with Removable Gel Casting Tray	CHU25
Both models include: 1 x UV Tray 25 x 30cm (W x L), 6 x 1mm, 26 Sample Combs, Coloured Strips and 2 casting gates	
Gel Casting Tray	HU25-UT
Gel Casting Gates, pk/2	HU25-CG
Silicone Gasket, 1 metre	HU-SG
Coloured Loading Strips	HU25-CS
Buffer Recirculation Ports	HU-BRP
Replacement Pt Wire, 50cm, for Maxi-Plus and Cooled Maxi-Plus series	PT-0.2

* The PCR process is covered by US patents owned by Hoffman La Roche Inc.