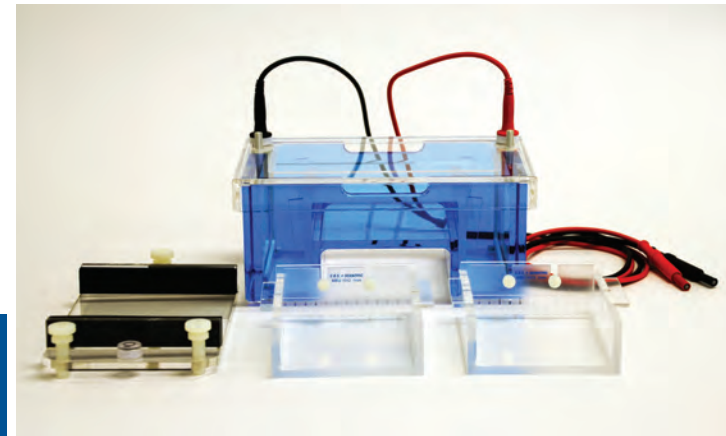


Productivity Package Option allows casting a second gel while the first is running for increased efficiency



Productivity Package pictured above

Midi-Horizontal Productivity Package Option

GCMHU-402, GCMHU-502, GCMHU-602

Complete Package:

- Electrophoresis unit with molded tapered baffles
- 2 UV transparent gel trays with multiple comb position slots
- UV transparent acrylic gel bed
- 2 adjustable height combs
- Safety cover with power leads
- Platinum electrodes
- External gel caster with leveling base

Standard Midi-Horizontal Kit

MHU-402, MHU-502, MHU-602

Complete Package:

- Electrophoresis unit with molded tapered baffles
- UV transparent gel tray with multiple comb position slots
- UV transparent acrylic gel bed
- 1 adjustable height comb
- Safety cover with power leads
- Platinum electrodes

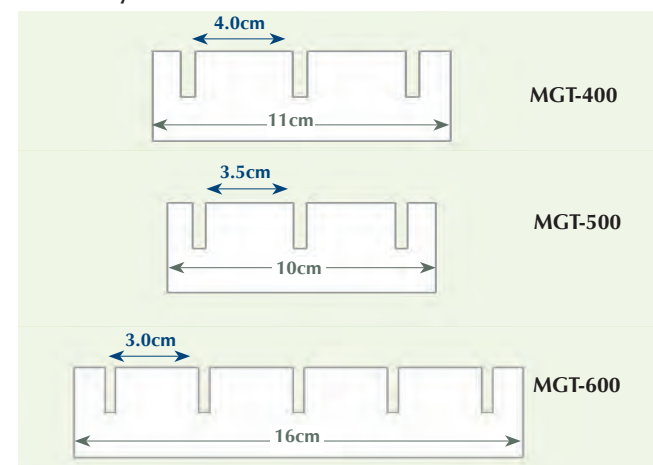
APPLICATIONS

- Separation and identification of DNA fragments, RNA fragments, PCR products and synthetic oligonucleotides

FEATURES

- Removable Platinum electrode cassettes. Cassettes are easily removed for cleaning or replacement.
- 3 sizes to choose from:
 - 10.5cm(w) x 11cm(l)
 - 14cm(w) x 10cm(l)
 - 14cm(w) x 16cm(l)
- Productivity option allows casting a second gel while the first is running. The addition of the external gel caster and additional gel tray allows the researcher to use time more efficiently.
- The MHU-602 Midi-Horizontal runs up to a full microtitre plate (108 samples) per gel.
- Tapered baffles allow easy in situ gel formation with or without gel tray.
- Combs are printed with catalog number and thickness for easy identification.
- **Gel Tray Specifications:**
 - 1) All gel trays are winged for easy handling
 - 2) Gel trays are made from sturdy 6.4mm thick UV transparent acrylic.
 - 3) Grooves in gel tray corners create agarose anchors to prevent gel flotation during electrophoresis.
 - 4) Gel tray configuration allows single run or multiple simultaneous short runs.

Gel Tray Profiles



SPECIFICATIONS									
Horizontal System Cat. #	Overall Dimensions W x L x H (cm)	Gel Bed Size W x L (cm)	Buffer Volume (ml)	Compatible Gel Trays	Gel Tray I.D. W x L (cm)	Agarose Solution Required* (ml)	# of Slots in Gel Tray	Pathlength/Slot (cm)	Maximum # of Samples
MHU-402	13 x 22.5 x 14	10.5 x 11	550	MGT-400	9.2 x 11	50	2	4.0	36
MHU-502	16.7 x 21.5 x 14	14 x 10	700	MGT-500	12.7 x 10	60	2	3.5	54
MHU-602	16.7 x 27.5 x 14	14 x 16	750	MGT-600	12.7 x 16	100	4	3.0	108

* Gel tray agarose required was calculated using a gel thickness of 0.5cm

COMB OPTIONS, 10.5cm wide for MGU-402T adjustable height, printed with catalog # and thickness
material: Polycarbonate or PTFE-coated aluminum*
tooth depth: 12.7mm, **overall length:** 8.73cm

Cat. #	# of Teeth	Thickness of Teeth (mm)	Width of Teeth (mm)	Recommended Max. Sample Vol./Well (µl)*
MBU-1005	5	1.0	16.2	153
MBU-1010*	10	1.0	7.47	71
MBU-1012	12	1.0	5.83	56
MBU-1016	16	1.0	3.86	37
MBU-1018	18	1.0	3.37	32
MBU-1505	5	1.5	16.2	231
MBU-1510*	10	1.5	7.47	106
MBU-1512	12	1.5	5.83	83
MBU-1516	16	1.5	3.86	55
MBU-1518	18	1.5	16.2	48

COMB OPTIONS, 14cm wide, for MGU-502T & MGU-602T, adjustable height, printed with catalog # and thickness
material: Polycarbonate or PTFE-coated aluminum*
tooth depth: 12.7mm, **overall length:** 12.06cm

Cat. #	# of Teeth	Thickness of Teeth (mm)	Width of Teeth (mm)	Recommended Max. Sample Vol./Well (µl)*
SGC14-1010	10	1.0	9.2	88
SGC14-1012	12	1.0	7.8	74
SGC14-1016	16	1.0	5.3	51
SGC14-1020	20	1.0	4.5	43
SGC14-1026	26	1.0	3.1	30
SGC14-1027*	27	1.0	2.93	28
SGC14-1510	10	1.5	9.2	131
SGC14-1512	12	1.5	7.8	111
SGC14-1516	16	1.5	5.3	76
SGC14-1520	20	1.5	4.5	64
SGC14-1526	26	1.5	3.1	44
SGC14-1527*	27	1.5	2.93	42
SGC14-2010	10	2.0	9.2	175
SGC14-2012	12	2.0	7.8	149
SGC14-2016	16	2.0	5.3	101
SGC14-2020	20	2.0	4.5	86
SGC14-2026	26	2.0	3.1	59
SGC14-2027*	27	2.0	2.93	56
SGC14-3010	10	3.0	9.2	263
SGC14-3012	12	3.0	7.8	223
SGC14-3016	16	3.0	5.3	151
SGC14-3020	20	3.0	4.5	128
SGC14-3026	26	3.0	3.1	89
SGC14-3027*	27	3.0	2.93	83

*Multi-channel pipettor compatible. Refer to microtitre loading diagram on page 51 for the SGC14 comb series.

*Maximum loading volume is calculated by taking 75% of the total tooth volume.

*To specify PTFE-coated aluminum add "TF" to end of cat. #.

ORDERING INFORMATION

CAT. #	DESCRIPTION
MIDI-HORIZONTAL SYSTEMS*	
CGMHU-402	Midi-Horizontal Productivity Package Option, CE , gel bed dimensions 10.5cm(w) x 11cm(l)
CGMHU-502	Midi-Horizontal Productivity Package Option, CE , gel bed dimensions 14cm(w) x 10cm(l)
CGMHU-602	Midi-Horizontal Productivity Package Option, CE , gel bed dimensions 14cm(w) x 16cm(l)
MHU-402	Standard Midi-Horizontal Kit, CE , gel bed dimensions 10.5cm(w) x 11cm(l)
MHU-502	Standard Midi-Horizontal Kit, CE , gel bed dimensions 14cm(w) x 10cm(l)
MHU-602	Standard Midi-Horizontal Kit, CE , gel bed dimensions 14cm(w) x 16cm(l)
Related Products	
AGCT-16520	Continuously Adjustable Gel Caster, fits gel trays ≤ 14cm(w) and from 8-20cm(l). Fits all 3 sizes of Midi-Horizontal Gel Trays.
GCT10-111	External Gel Caster, fits 1 WGT-400 Gel Tray
GCT10-112	External Gel Caster, fits 2 WGT-400 Gel Trays
GCT14-101	External Gel Caster, fits 1 WGT-500 Gel Tray
GCT14-102	External Gel Caster, fits 2 WGT-500 Gel Trays
GCT14-161	External Gel Caster, fits 1 WGT-600 Gel Tray
GCT14-162	External Gel Caster, fits 2 WGT-600 Gel Trays
WGT-400	Replacement Gel Tray, UVT for MHU-402T or GCMHU-402T
WGT-500	Replacement Gel Tray, UVT for MHU-502T or GCMHU-502T
WGT-600	Replacement Gel Tray, UVT for MHU-602T or GCMHU-602T
EPS-300 X	Power Supply, CE , 10-300V, 4-500mA

* Color- Coded Option: To specify color add the following color code to the end of the catalog #: -Y (Yellow), -P (Purple), -PK (Pink), or -G (Green).

Note: Midi-Horizontals are blue unless otherwise specified.