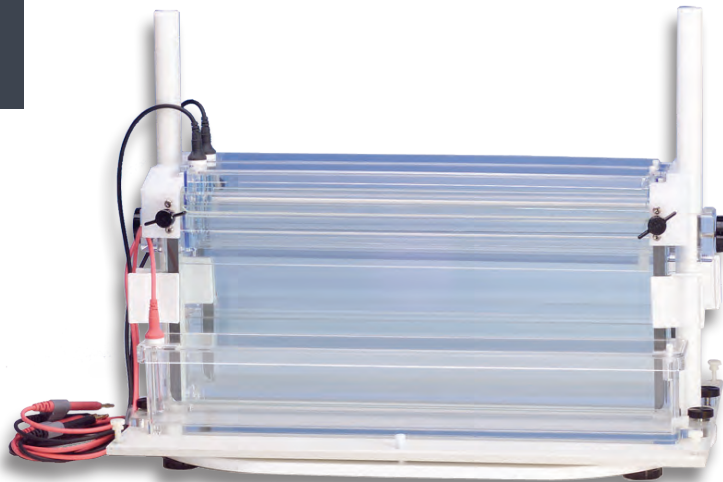


Mega-Gel System (High Throughput Vertical)

Unique size for optimal productivity



APPLICATIONS

- Microsatellite Mapping
- Mutation Detection
- SDS-PAGE
- SSR genotyping for linkage construction
- Minisatellites
- DNA Footprinting
- DNA Fingerprinting

FEATURES

- High-throughput format allows up to 200 samples per run.
- To enhance screening productivity, the system includes two 100 well combs that feature microtitre spacing for multi-channel pipettor loading.
- To further maximize throughput, multiple amplification products can be loaded simultaneously or successively in the same well (reference 1, page 1830)
- Gel-Wrap™ casting system makes gel casting quick and easy.
- 0.2mm thick comb and spacer accessories are available for Microsatellite Mapping
- The glass plate sandwich includes a low fluorescence back plate, making it ideal for fluorescence-based assays. This feature allows the bands to be visualized without the time-consuming process of removing the gel from the glass plate sandwich and staining. Ethidium bromide is added to the lower reservoir prior to electrophoresis and the low fluorescence glass allows direct UV visualization and photography of the results without gel removal.
- This adjustable system offers glass plate sizes of 22cm and 32cm(h).
- Dual-sided apparatus has rotating base for easy loading and conserves valuable bench space.

SPECIFICATIONS

Overall Dimensions W x D x H (cm)	60 x 34 x 44
Glass Plate Dimension Options W x L (cm)	50 x 22 50 x 32
Recommended Buffer Volume	upper reservoirs - 500ml/each lower reservoirs - 500ml/each Total - 2 Liters
Running Conditions	350VD/105mA/gel/1.5 thick
Recommended Power Supply	Power Supply EPS-600, 5-600V

REFERENCES

- 1) Wang, D., Shi, J., Carlson, S. R., Cregan, P.R., Ward, R. W., and B. W. Diers, A. Low-Cost, High-Throughput Polyacrylamide Gel Electrophoresis System for Genotyping with Microsatellite DNA Markers. *Crop Science* 43:1828-1832, 2003.

Mega-Gel System (High Throughput Vertical)

C-DASG-400-50

Complete System:

- Dual sided, high-throughput, adjustable height electrophoresis unit with guide rods and rotating/leveling base
- Platinum Electrodes
- 2 each 100 well combs
- 2 sets of Gel Wrap® spacers
- 2 lengths of Gel Wrap® gasket
- 2 sets of 50cm(w) x 22cm(h) Gel Wrap® glass plates with low fluorescence back plate
- Safety covers with power leads
- White spring clamps
- Temperature strips
- Glass plate separators
- Conversion plate for running one gel at a time

COMB OPTIONS for Mega-Gel*

material: PTFE, tooth depth: 10mm, overall length: 44.8cm

Cat. #	Comb type	# of Teeth	Thickness of Teeth (mm)	Width of Teeth (mm)	Recommended Max. Sample Vol./ Well (µl)*
SG50-1050*	microtitre	50	1.0	7.6	57
SG50-10100*	microtitre	100	1.0	3.0	23
SG50-1550*	microtitre	50	1.5	7.6	86
SG50-15100*	microtitre	100	1.5	3.0	34

*Multi-channel pipettor compatible

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

*For thinner gels see website for mylar comb and spacer sets.

GEL CASTING

Mega-Gel gels can be cast using the Gel Wrap® Casting System: C.B.S. Scientific has developed a revolutionary leak-proof gasket, Gel Wrap, that seals the glass plate sandwich for gel casting quickly and easily. Set-up time for gel casting can be accomplished in less than one minute. Gel Wrap is designed to perform two functions simultaneously - it holds onto the back glass plate, making it easy to handle, and it seals the spacers. See page 23.

ORDERING INFORMATION

CAT. #	DESCRIPTION
MEGA-GEL ELECTROPHORESIS SYSTEM	
C-DASG-400-50	Mega-Gel System, CE, Complete System
Accessories and Related Products	
SGS-50-1020R	Spacer Set, 1.0mm x 22cm(l)
SGS-50-1030R	Spacer Set, 1.0mm x 32cm(l)
SGS-50-1520R	Spacer Set, 1.5mm x 22cm(l)
SGS-50-1520R	Spacer Set, 1.5mm x 32cm(l)
SGP50-020R-DN	Gel Wrap@ Glass Plate Set, 50cm(w) x 22cm(l), with Borosilicate back plate
SGP50-030R-DN	Gel Wrap@ Glass Plate Set, 50cm(w) x 32cm(l), with Borosilicate back plate
SGP50-020R	Gel Wrap@ Glass Plate Set, 50cm(w) x 22cm(l), standard
SGP50-030R	Gel Wrap@ Glass Plate Set, 50cm(w) x 32cm(l), standard
SGE50-1020	Gel Wrap® Gasket, 1.0mm x 22cm
SGE50-1030	Gel Wrap® Gasket, 1.0mm x 32cm
SGE50-1520	Gel Wrap® Gasket, 1.5mm x 22cm
SGE50-1530	Gel Wrap® Gasket, 1.5mm x 32cm
EPS-600	Power Supply, CE, 5-600V, 3-500mA