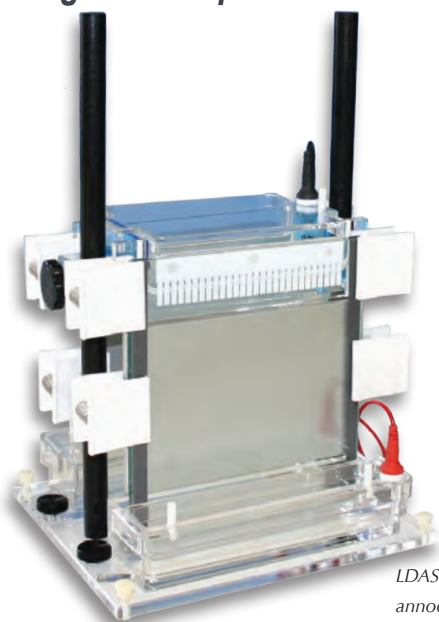
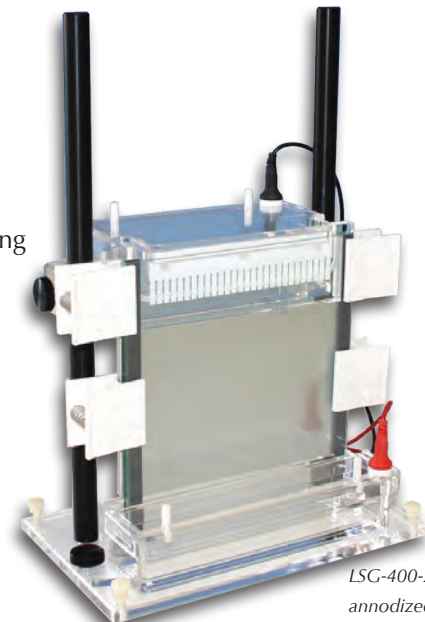


Run large format protein or nucleic acid gels on these versatile units



LDASG-400-20 shown with optional anodized aluminum cooling plate



LSG-400-20 shown with optional anodized aluminum cooling plate

APPLICATIONS

- SDS PAGE
- Native PAGE
- DNA Sequencing
- Isoelectric Focusing

Large Format Dual Adjustable Vertical System for Protein Applications

LDASG-400-20

Complete System:

- Dual vertical electrophoresis cell with heavy duty guide rods, removable upper and lower reservoirs, safety covers with power leads
- Leak proof silicone gasket on upper reservoir to which the glass plates are clamped
- Platinum electrodes
- Leveling base with bubble level
- 2 combs
- 2 sets Gel Wrap® glass plates
- 2 sets Gel Wrap® spacers
- 2 Gel Wrap® gaskets for gel casting
- 2 wedge plate separators
- White spring clamps
- Conversion plate for running one gel at a time

Large Format Dual Adjustable Vertical System for Nucleic Acid Applications

LDASG-400-20NA

Includes same as above except:

- Choose from thinner combs and spacers charts
- Glass plates and spacers are not modified for use with Gel Wrap®
- Gel Wrap® gaskets are not included.

Large Format Adjustable Vertical System for Protein Applications

LSG-400-20

Complete System:

- Single vertical electrophoresis cell with heavy duty guide rods, removable upper and lower reservoirs, safety covers with power leads
- Leak proof silicone gasket on upper reservoir to which the glass plates are clamped
- Platinum electrodes
- Leveling base with bubble level
- 1 comb
- 1 set Gel Wrap® glass plates
- 1 set of Gel Wrap® spacers
- 1 Gel Wrap® Gasket for gel casting
- 1 wedge plate separator
- White spring clamps

Large Format Adjustable Vertical System for Nucleic Acid Applications

LSG-400-20NA

Includes same as above except:

- Choose from thinner combs and spacers charts
- Glass plates and spacers are not modified for use with Gel Wrap®
- Gel Wrap® gaskets are not included.

FEATURES

- Unsurpassed versatility - designed to adapt to changing methodologies. Can run 3 different length gels, preparative gels, large format SDS-PAGE and DNA/RNA gels or sequencing gels on the same unit by ordering appropriate accessories. Glass plates and spacers are available in heights of 22cm, 32cm and 42cm.
- A wide selection of precision-machined combs are available.
- Compressible, long-lasting silicone gasket on face of unit provides leak-proof seal when glass plates are clamped in place.
- Gel-Wrap™ casting system makes gel casting quick and easy for gel thicknesses of 0.75mm, 1.0mm, 1.5mm, 2.0mm and 3.0mm.
- Bottom buffer reservoir(s) conveniently detaches from base of unit for ease in cleaning and disposal of buffer.
- Accessory anodized aluminum cooling plates can be ordered to clamp onto glass plates to evenly distribute the heat generated during electrophoresis.
- This system can be used for fluorescence based assays whose images can be captured on a scanner directly through optional borosilicate glass plates.

SPECIFICATIONS

Cat. #	# of Gels	Overall Dimensions W x D x H (cm)	Glass Plate Dimensions W x L (cm)	Spacer & Comb Thickness Offered (mm)	Recommended Buffer Reservoir Volume (mls)
LSG-400-20	1	24 x 19 x 31 24 x 19 x 41 24 x 19 x 41	20 x 22 20 x 32 20 x 42	0.75, 1.0 1.5, 2.0 3.0	310-375 upper 150-350 lower
LDASG-400-20	2	24 x 19 x 31 24 x 19 x 41 24 x 19 x 41	20 x 22 20 x 32 20 x 42	0.75, 1.0 1.5, 2.0 3.0	375-475 upper 150-350 lower
LSG-400-20NA	1	24 x 19 x 31 24 x 19 x 41 24 x 19 x 41	20 x 22 20 x 32 20 x 42	0.2 0.4	310-375 upper 150-350 lower
LDASG-400-20NA	2	24 x 19 x 31 24 x 19 x 41 24 x 19 x 41	20 x 22 20 x 32 20 x 42	0.2 0.4	375-475 upper 150-350 lower

GEL CASTING OPTIONS

THICKER GELS: C.B.S. Scientific has developed a revolutionary leak-proof gasket, Gel Wrap®, that seals large format glass plate sandwich for gel casting quickly and easily. Set-up time for gel casting can be accomplished within a few minutes. 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. Gel Wrap® is available for gel thickness of 0.75mm, 1.0mm, 1.5mm, 2.0mm and 3.0mm. See page 23.



THINNER GELS: For casting gels 0.2mm or 0.4mm thick we offer the Gel Slider, cat.# GSL-1001 (pictured at right). Alternatively glass plates can be taped for gel formation. See page 77.



COMB OPTIONS

SHARKTOOTH COMB OPTIONS (THINNER) for Nucleic Acid Separations

Cat. #	Comb Type	# of Teeth	Thickness of Teeth (mm)	Width of Teeth (mm)	Recommended Max. Well Volume (µl)
SK20-0201	casting	1	0.20	158.7	N/A
SK20-0234*	sharktooth	34	0.20	4.5	3.3
SK20-0252*	sharktooth	52	0.20	3.0	2.0
SK20-0270*	sharktooth	70	0.20	2.25	1.4
SK20-0401	casting	1	0.40	158.7	N/A
SK20-0434*	sharktooth	34	0.40	4.5	6.6
SK20-0452*	sharktooth	52	0.40	3.0	4.0
SK20-0470*	sharktooth	70	0.40	2.25	2.8

RECTANGULAR POLYCARBONATE COMB OPTIONS (THINNER) for Nucleic Acid Separations

material: Polycarbonate, tooth depth: 9.5mm, overall length: 15.87cm

Cat. #	# of Teeth	Thickness of Teeth (mm)	Width of Teeth (mm)	Recommended Max. Sample Vol./Well (µl)*
SG20-0208	8	0.20	17.7	25.2
SG20-0212	12	0.20	11	15.7
SG20-0214	14	0.20	9	13
SG20-0216	16	0.20	7.6	10.8
SG20-0217*	17	0.20	6.6	9.4
SG20-0220	20	0.20	5.6	8
SG20-0228	28	0.20	4	5.8
SG20-0232	32	0.20	4.3	4.8
SG20-0235*	35	0.20	2.9	4.1
SG20-0408	8	0.40	17.7	50.5
SG20-0412	12	0.40	11	30.8
SG20-0414	14	0.40	9	25.5
SG20-0416	16	0.40	7.6	21
SG20-0417*	17	0.40	6.6	18.8
SG20-0420	20	0.40	5.6	15.8
SG20-0428	28	0.40	4	11.3
SG20-0432	32	0.40	4.3	9
SG20-0435*	35	0.40	2.9	8.3

ORDERING INFORMATION *

CAT. #	DESCRIPTION
LARGE FORMAT ADJUSTABLE VERTICAL SYSTEMS*	
LSG-400-20	Large Format Adjustable Vertical Kit , for thicker gel applications. Glass plate dimensions 20cm(w) x 22cm - 42cm(h) capability.
LSG-400-20NA	Large Format Adjustable Vertical Kit , for thinner gel applications. Glass plate dimensions 20cm(w) x 22cm - 42cm(h) capability.
LDASG-400-20	Large Format Dual Adjustable Vertical Kit , for thicker gel applications. Glass plate dimensions 20cm(w) x 22cm - 42cm(h) capability.
LDASG-400-20NA	Large Format Dual Adjustable Vertical Kit , for thinner gel applications. Glass plate dimensions 20cm(w) x 22cm - 42cm(h) capability.
EPS-600	Power Supply, CE , 5-600V, 3-500mA
EPS-3000P-II	High Voltage Power Supply, CE , 20-3000V, 1-400mA

* See product list or website for complete listing of accessories and ordering options

COMB OPTIONS (THICKER)

material: PTFE, tooth depth: 9.5mm, overall length: 15.87cm

Cat. #	# of Teeth	Thickness of Teeth (mm)	Width of Teeth (mm)	Recommended Max. Sample Vol./Well (µl)*
SG20-0708	8	0.75	17.7	95
SG20-0712	12	0.75	11	58
SG20-0717*	17	0.75	6.63	35
SG20-0720	20	0.75	5.66	30
SG20-0728	28	0.75	4	22
SG20-0732	32	0.75	3.4	18
SG20-0735*	35	0.75	2.9	14
SG20-1008	8	1.0	17.7	126
SG20-1012	12	1.0	11	78
SG20-1017*	17	1.0	6.63	50
SG20-1020	20	1.0	5.66	40
SG20-1028	28	1.0	4	29
SG20-1032	32	1.0	3.4	24
SG20-1035*	35	1.0	2.9	19
SG20-1508	8	1.5	17.7	190
SG20-1512	12	1.5	11	117
SG20-1517*	17	1.5	6.63	71
SG20-1520	20	1.5	5.66	60
SG20-1528	28	1.5	4	43
SG20-1532	32	1.5	3.4	36
SG20-1535*	35	1.5	2.9	29
SG20-2008	8	2.0	17.7	252
SG20-2012	12	2.0	11	156
SG20-2017*	17	2.0	6.63	94
SG20-2020	20	2.0	5.66	80
SG20-2028	28	2.0	4	57
SG20-2032	32	2.0	3.4	48
SG20-2035*	35	2.0	2.9	38
SG20-3008	8	3.0	17.7	378
SG20-3012	12	3.0	11	234
SG20-3017*	17	3.0	6.63	140
SG20-3020	20	3.0	5.66	119
SG20-3028	28	3.0	4	86
SG20-3032	32	3.0	3.4	72
SG20-3035*	35	3.0	2.9	56

*Multi-channel pipettor compatible

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

SPACER ORDERING INFORMATION (THINNER) - Cat. #'s for Nucleic Acid Separations - 2 side spacers

Thickness (mm)	22cm Height	32cm Height	42cm Height
0.20	SGS-2020	SGS-2030	SGS-2040
0.40	SGS-4020	SGS-4030	SGS-4040

GEL WRAP SPACER ORDERING INFORMATION (THICKER) - Cat. #'s for Protein Separations - 2 side spacers with rounded corners

Thickness (mm)	22cm Height	32cm Height	42cm Height
0.75	SGS-20-0720R	SGS-20-0730R	SGS-20-0740AR
1.0	SGS-20-1020R	SGS-20-1030R	SGS-20-1040AR
1.5	SGS-20-1520R	SGS-20-1530R	SGS-20-1540AR
2.0	SGS-20-2020R	SGS-20-2030R	SGS-20-2040AR
3.0	SGS-20-3020R	SGS-20-3030R	SGS-20-3040AR