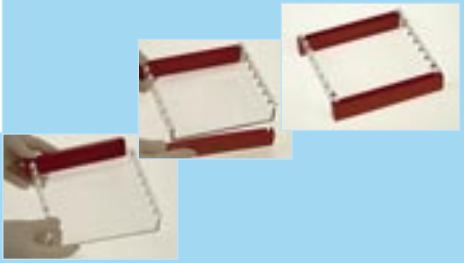
multiSUB....

- **Injection Moulded Construction - durable, leak-proof environment for complete safety and long life**
- **Cassette Type Electrodes – inexpensive, easy to replace. Made of 99.99% corrosion resistant, pure platinum**
- **Electrical Safety – lid can be located in one way only. On removal, power is disconnected from buffer chamber**
- **Multiple Gel Trays – eliminate the need for additional gel tanks**
- **Easy Click Lid Removal**






"plug and go" gel casting

Casting dams allow gels to be rapidly cast externally while the MultiSub unit is in use for gel running





NEW-style Flexicasters allow the casting of varying gel lengths simply by locking the moveable dam. Adjustable feet and level bubble allow gels of uniform thickness to be poured.

Trays are UV transparent

White PVC platform cover and red loading guides can be optionally applied to enhance well visibility

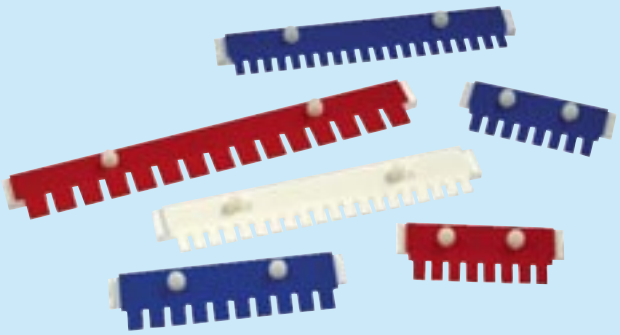


Gel trays are free of indentations or casting gate channels which can interfere with sample progression



UV transparent Gel Scoops, available for each unit size, offer a safe and easy way to transport gels to a UV Transilluminator

Extensive range of combs



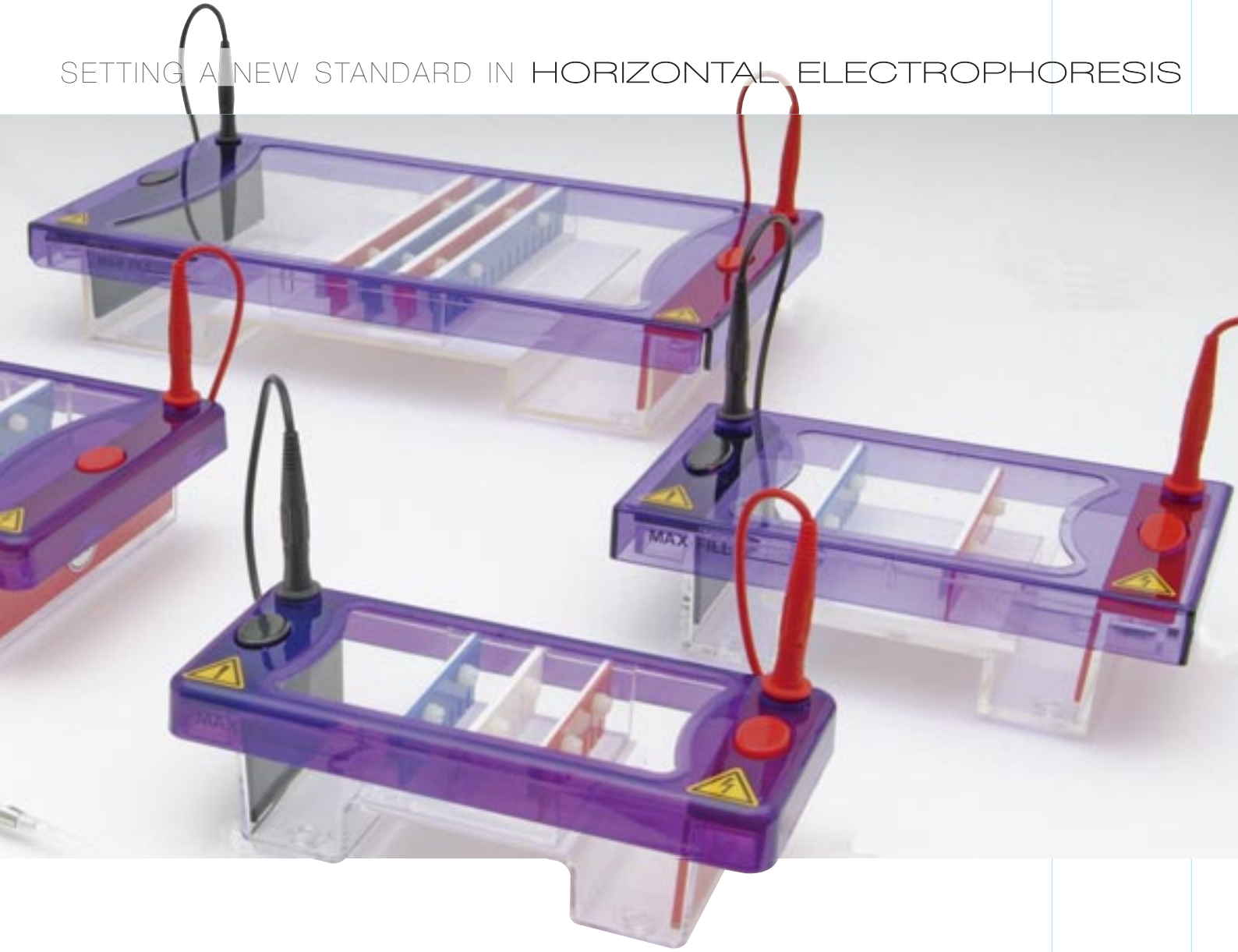
- four thicknesses, colour coded
  - **black:** 0.75mm for ultra resolved bands
  - **white:** 1mm supplied as standard
  - **red** 1.5mm for maximising sample volume
  - **blue** 2mm for maximising sample volume
- options for Sample Prep
- options for MULTI-CHANNEL PIPETTE COMPATIBLE



The number of samples can be maximised using high tooth number combs

All units are CE marked and are in conformity with the relevant CE Safety Directives: 73/23/EEC: LOW VOLTAGE DIRECTIVE: IEC 61010-1:2001. EN 61010-1:2001; 89/336/EEC EMC DIRECTIVE: EN55011 Emissions, EN50082-1 Immunity.

SETTING A NEW STANDARD IN HORIZONTAL ELECTROPHORESIS



The multiSUB series of Horizontal Gel Units offers the most versatile solution for DNA and RNA agarose gel electrophoresis currently available. All five units offer an unsurpassed combination of economy of gel and buffer volume, with gel size and sample number versatility. Gel size and sample number requirements can be exactly matched in each unit, with the option of additional gel tray sizes. This eliminates the need for multiple gel tanks and for changes in gel size or application.

All units contain removable UV transparent trays. For optimum value and versatility, systems are available with one, two or three tray options (dependent on model). Easy to use, leak proof 'plug and go' gel casting dams are included as standard to allow gels to be rapidly cast whilst the multiSUB unit is in use for gel running. With no indentations or casting gate grooves in the tray to interfere with sample progression, traditional tape casting can be used, should this be preferred.



Although lid connectors are compatible with most major power supplies, adapters are available to provide complete compatibility.

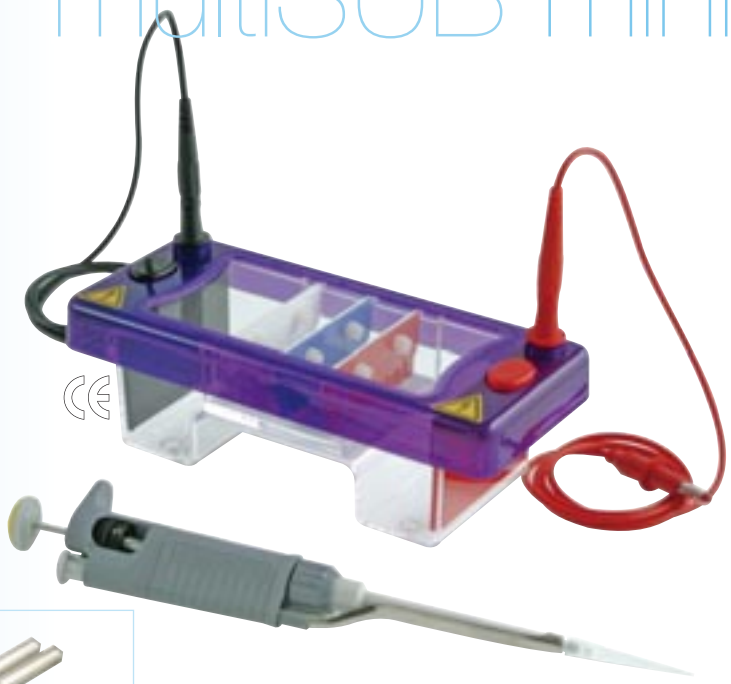
high efficiency horizontal gel cooling



Removable gel table allows a Coolpack to sit above the gel in buffer offering enhanced gel resolution and faster run times

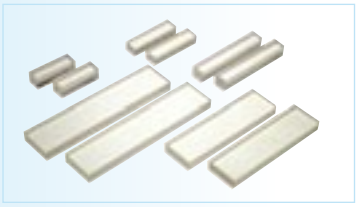
multiSUB mini

- **Available with 7 x 7cm, 7 x 10cm or with both gel trays**
- **Economic low gel and buffer volumes**
- **Small lab bench footprint**



Typical Applications

Designed for quick checks of low to medium numbers of samples



Buffer saver blocks physically reduce the volume of a gel chamber and so reduce buffer requirements, saving cost.

The multiSUB Mini is the smallest unit in the range, designed for low to medium numbers of samples. The small gel size maximises run economy but does not compromise versatility as two tray options are available – 7 x 7cm and 7 x 10cm, and combs ranging from preparative up to 16 samples. Simply by altering the gel tray or comb, this compact unit is capable of resolving up to 64 different samples, prepping 1ml of sample or separating sample bands over a distance of 9cm.



components of multiSUB Mini Duo

Technical Specifications

Gel dimensions, (W x L)	7 x 7cm 7 x 10cm
Unit dimensions (W x L x H)	21 x 9 x 9cm
Max. sample capacity	7 x 7cm tray – 32 samples 7 x 10cm tray – 64 samples
Buffer volume	225ml
Combs available : No. of samples Thicknesses	 1, 2, 4, 8MC, 8, 10, 12MC, 16 0.75, 1, 1.5, 2mm

Ordering Information

MSMINI7	**multiSUB Mini, 7 x 7cm UV Tray, 2 x 8 sample combs, loading guides and dams**				
MSMINI10	**multiSUB Mini, 7 x 10cm UV Tray, 2 x 8 sample combs, loading guides and dams**				
MSMINIDUO	**multiSUB Mini, 7 x 7cm & 7 x 10cm UV Tray, 2 x 8 sample combs, loading guides and dams**				
MS7-UV7	7 x 7cm UV Tray	MS7-LG	Adhesive Loading Guides	MS7-x -yLG	Combination Comb and
MS7-UV10	7 x 10cm UV Tray	MS7-WP	Viewing Platform		Loading Guide
MS7-PE	Positive Electrode	MSMINICP	Cool-pack and Platform		x = comb well no.
MS7-NE	Negative Electrode	MSMINIBSB	Buffer Saver Blocks, pk/2		y = comb thickness
MS7-UVDAM	Casting Dams	saves 100ml of buffer		MS7-UVS	7cm UV Gel Scoop
MS7/10-FC	multiSUB Mini/Midi Flexi caster				

0.75mm

Code	Description	Sample Volume for a 5mm thick gel
MS7-1-0.75	Comb Prep 1, Marker 1, 0.75mm thick	152µl
MS7-2-0.75	Comb Prep 2, Marker 2, 0.75mm thick	68µl
MS7-4-0.75	Comb Prep 4, Marker 2, 0.75mm thick	36µl
MS7-8MC-0.75	Comb 8 sample MC, 0.75mm thick	8µl
MS7-8-0.75	Comb 8 sample, 0.75mm thick	19µl
MS7-10-0.75	Comb 10 sample, 0.75mm thick	14µl
MS7-12MC-0.75	Comb 12 sample MC, 0.75mm thick	10µl
MS7-16-0.75	Comb 16 sample, 0.75mm thick	7µl

1.0mm

Code	Description	Sample Volume for a 5mm thick gel
MS7-1-1	Comb Prep 1, Marker 1, 1mm thick	203µl
MS7-2-1	Comb Prep 2, Marker 2, 1mm thick	90µl
MS7-4-1	Comb Prep 4, Marker 2, 1mm thick	48µl
MS7-8MC-1	Comb 8 sample MC, 1mm thick	11µl
MS7-8-1	Comb 8 sample, 1mm thick	25µl
MS7-10-1	Comb 10 sample, 1mm thick	18µl
MS7-12MC-1	Comb 12 sample MC, 1mm thick	14µl
MS7-16-1	Comb 16 sample, 1mm thick	10µl

1.5mm

Code	Description	Sample Volume for a 5mm thick gel
MS7-1-1.5	Comb Prep 1, Marker 1, 1.5mm thick	304µl
MS7-2-1.5	Comb Prep 2, Marker 2, 1.5mm thick	135µl
MS7-4-1.5	Comb Prep 4, Marker 2, 1.5mm thick	72µl
MS7-8MC-1.5	Comb 8 sample MC, 1.5mm thick	17µl
MS7-8-1.5	Comb 8 sample, 1.5mm thick	37µl
MS7-10-1.5	Comb 10 sample, 1.5mm thick	27µl
MS7-12MC-1.5	Comb 12 sample MC, 1.5mm thick	20µl
MS7-16-1.5	Comb 16 sample, 1.5mm thick	15µl

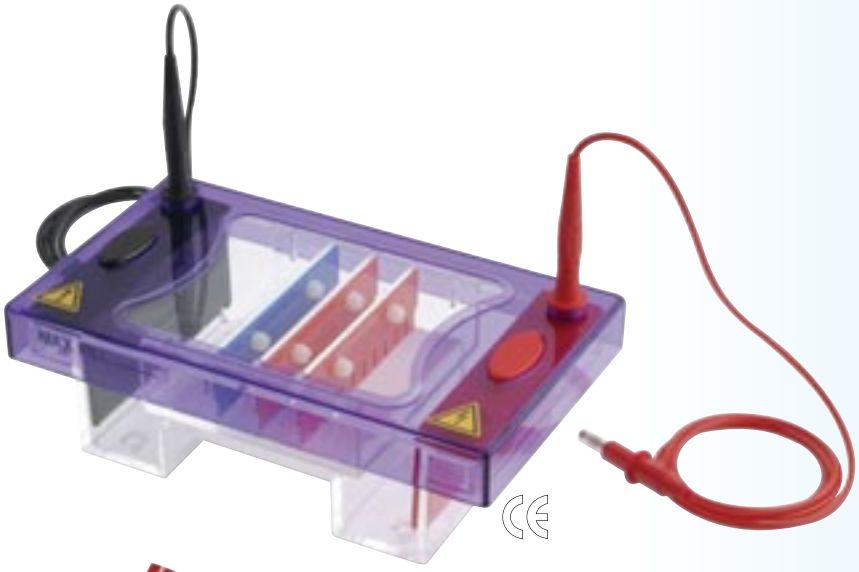
2.0mm

Code	Description	Sample Volume for a 5mm thick gel
MS7-1-2	Comb Prep 1, Marker 1, 2mm thick	405µl
MS7-2-2	Comb Prep 2, Marker 2, 2mm thick	180µl
MS7-4-2	Comb Prep 4, Marker 2, 2mm thick	96µl
MS7-8MC-2	Comb 8 sample MC, 2mm thick	23µl
MS7-8-2	Comb 8 sample, 2mm thick	50µl
MS7-10-2	Comb 10 sample, 2mm thick	36µl
MS7-12MC-2	Comb 12 sample MC, 2mm thick	27µl
MS7-16-2	Comb 16 sample, 2mm thick	20µl

MC = multichannel pipette compatible

combs

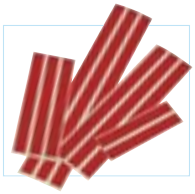
multiSUB midi



- Available with 10 x 7cm, 10 x 10cm or with both gel trays
- Run up to 100 samples
- Low buffer volumes
- Ideal for rapid electrophoresis

Typical Applications

Ideal for quick checks of samples from PCR and cloning



Loading guides allow easy well identification and sample loading



Scoops for safe transfer of gels



for Power Supplies and Product Selector see page 24/25

With gel tray options of 10 x 7cm and 10 x 10cm, the multiSUB Midi has been designed for routine horizontal gel electrophoresis. Extending only the width of this unit allows more samples to be resolved per gel than the multiSUB Mini without a significant increase in buffer or gel volumes.

A maximum of 100 samples per gel can be resolved making this unit ideal for those routinely checking medium numbers of samples over short to medium gel run lengths.

Ordering Information

MSMIDI7	**multiSUB Midi, 10 x 7cm UV Tray, 2 x 16 sample combs, loading guides and dams**				
MSMIDI10	**multiSUB Midi, 10 x 10cm UV Tray, 2 x 16 sample combs, loading guides and dams**				
MSMIDIDUO	**multiSUB Midi, 10 x 7cm & 10 x 10cm UV Tray, 2 x 16 sample combs, loading guides and dams**				
MS10-UV7	10 x 7cm UV Tray	MS10-LG	Adhesive Loading Guides	MS10-x -yLG	Combination Comb and
MS10-UV10	10 x 10cm UV Tray	MS10-WP	Viewing Platform		Loading Guide
MS10-PE	Positive Electrode	MSMIDICP	Cool-Pack and Platform		x = comb well number,
MS10-NE	Negative Electrode	MSMIDIBSB	Buffer Saver Blocks, pk/2		y = comb thickness
MS10-UVDAM	Casting Dams	saves 100ml of buffer		MS10-UVS	10cm UV Gel Scoop
MS7/10-FC	multiSUB Mini/Midi Flexicaster				

Technical Specifications

Gel dimensions, (W x L)	10 x 7cm 10 x 10cm
Unit dimensions (W x L x H)	22 x 12.5 x 9cm
Max. sample capacity	10 x 7cm tray – 50 samples 10 x 10cm tray – 100 samples
Buffer volume	300ml
Combs available : No. of samples Thicknesses	1, 2, 4, 8, 10MC, 12, 16, 20MC, 25 0.75, 1, 1.5, 2mm

0.75mm

Code	Description	Sample Volume for a 5mm thick gel
MS10-1-0.75	Comb Prep 1, Marker 1, 0.75mm thick	270µl
MS10-2-0.75	Comb Prep 2, Marker 2, 0.75mm thick	118µl
MS10-4-0.75	Comb Prep 4, Marker 2, 0.75mm thick	57µl
MS10-8-0.75	Comb 8 sample, 0.75mm thick	30µl
MS10-10MC-0.75	Comb 10 sample MC, 0.75mm thick	20µl
MS10-12-0.75	Comb 12 sample, 0.75mm thick	17µl
MS10-16-0.75	Comb 16 sample, 0.75mm thick	12µl
MS10-20MC-0.75	Comb 20 sample MC, 0.75mm thick	10µl
MS10-25-0.75	Comb 25 sample, 0.75mm thick	7µl

1.0mm

Code	Description	Sample Volume for a 5mm thick gel
MS10-1-1	Comb Prep 1, Marker 1, 1mm thick	360µl
MS10-2-1	Comb Prep 2, Marker 2, 1mm thick	158µl
MS10-4-1	Comb Prep 4, Marker 2, 1mm thick	77µl
MS10-8-1	Comb 8 sample, 1mm thick	41µl
MS10-10MC-1	Comb 10 sample MC, 1mm thick	27µl
MS10-12-1	Comb 12 sample, 1mm thick	23µl
MS10-16-1	Comb 16 sample, 1mm thick	16µl
MS10-20MC-1	Comb 20 sample MC, 1mm thick	14µl
MS10-25-1	Comb 25 sample, 1mm thick	10µl

1.5mm

Code	Description	Sample Volume for a 5mm thick gel
MS10-1-1.5	Comb Prep 1, Marker 1, 1.5mm thick	540µl
MS10-2-1.5	Comb Prep 2, Marker 2, 1.5mm thick	236µl
MS10-4-1.5	Comb Prep 4, Marker 2, 1.5mm thick	115µl
MS10-8-1.5	Comb 8 sample, 1.5mm thick	61µl
MS10-10MC-1.5	Comb 10 sample MC, 1.5mm thick	41µl
MS10-12-1.5	Comb 12 sample, 1.5mm thick	34µl
MS10-16-1.5	Comb 16 sample, 1.5mm thick	24µl
MS10-20MC-1.5	Comb 20 sample MC, 1.5mm thick	20µl
MS10-25-1.5	Comb 25 sample, 1.5mm thick	15µl

2.0mm

Code	Description	Sample Volume for a 5mm thick gel
MS10-1-2	Comb Prep 1, Marker 1, 2mm thick	720µl
MS10-2-2	Comb Prep 2, Marker 2, 2mm thick	315µl
MS10-4-2	Comb Prep 4, Marker 2, 2mm thick	153µl
MS10-8-2	Comb 8 sample, 2mm thick	81µl
MS10-10MC-2	Comb 10 sample MC, 2mm thick	54µl
MS10-12-2	Comb 12 sample, 2mm thick	45µl
MS10-16-2	Comb 16 sample, 2mm thick	32µl
MS10-20MC-2	Comb 20 sample MC, 2mm thick	27µl
MS10-25-2	Comb 25 sample, 2mm thick	20µl

MC = multichannel pipette compatible

Cleaver Scientific

multiSUB choice

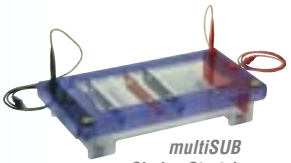
- Three tray options
- Run up to 210 samples
- Low buffer volumes
- Multichannel pipette compatible combs for speed loading



Typical Applications

Ideal for restriction fragment analysis, sample prep or checking of high numbers of samples

The multiSUB Choice offers a wide degree of versatility. Three tray options are available – 15 x 7cm, 15 x 10cm and 15 x 15cm – allowing the choice of one, two or all three gel length options at the time of purchase. Further purchases of additional accessories are no longer required. Maximising comb and tray options allow up to 210 samples to be resolved per gel. The 15cm total run length allows restriction fragment or other close MW sample bands to be easily separated and identified. Speed loading is accomplished using 10, 14, 16, 18, 28 and 30 sample multi-channel pipette compatible combs. Fabricated multiSUB CHOICE STRETCH units are available with optional 15 x 20cm and 15 x 25cm gel trays and four 28-sample combs for those researchers wanting to perform higher resolution separation of more samples over a longer distance.



multiSUB Choice Stretch



multiSUB Choice Trio includes all 3 tray sizes for optimum versatility and value

Technical Specifications

Gel dimensions, (W x L)	15 x 7cm 15 x 10cm 15 x 15cm 15 x 20cm 15 x 25cm
Unit dimensions (W x L x H)	26.5 x 17.5 x 9cm 41 x 17.5 x 9cm (Stretch models only)
Max. sample	15 x 7cm tray – 70 samples 15 x 10cm tray – 140 samples 15 x 15cm tray – 210 samples 15 x 15cm tray – 280 samples 15 x 15cm tray – 350 samples
Buffer volume	Choice 500ml Choice Stretch 1000ml
Combs available : No. of samples	1, 2, 4, 10, 10MC, 12, 14MC, 16, 18MC, 20, 28MC, 30MC, 35
Thicknesses	0.75, 1, 1.5, 2mm

Ordering Information

MSCHOICE7	**multiSUB Choice, 15 x 7cm UV Tray, 2 x 20 sample combs, loading guides and dams**				
MSCHOICE10	**multiSUB Choice, 15 x 10cm UV Tray, 2 x 20 sample combs, loading guides and dams**				
MSCHOICE15	**multiSUB Choice, 15 x 15cm UV Tray, 2 x 20 sample combs, loading guides and dams**				
MSCHOICETRIO	**multiSUB Choice Trio, 15 x 7,10 & 15cm UV Tray, 2 x 20 sample combs, loading guides and dams**				
MSCHOICEST20	**multiSUB Choice Stretch 20, 15 x 20cm UV tray, 4 x 28 sample combs, loading guides and dams**				
MSCHOICEST25	**multiSUB Choice Stretch 25, 15 x 25cm UV tray, 4 x 28 sample combs, loading guides and dams**				
MS15-UV7	15 x 7cm UV Tray	MS15-UVDAM	Casting Dams	MS15-UVS	15cm UV Gel Scoop
MS15-UV10	15 x 10cm UV Tray	MS15-PE	Positive Electrode	MSCHOICECP	Cool-Pack and Platform
MS15-UV15	15 x 15cm UV Tray	MS15-NE	Negative Electrode	MSCHOICEBSB	Buffer Saver Blocks pk/2, saves 190ml of buffer
MS15-UVST20	15 x 20 cm UV Tray	MS15-LG	Adhesive Loading Guides		
MS15-UVST25	15 x 25 cm UV Tray	MS15-WP	Viewing Platform	MS15-x -yLG	Combi Comb/Loading Guide
MS15/20-FC	multiSUB Choice/Maxi Flexi caster				

0.75mm

Code	Description	Sample Volume for a 5mm thick gel
MS15-1-0.75	Comb Prep 1, Marker 1, 0.75mm thick	371µl
MS15-2-0.75	Comb Prep 2, Marker 2, 0.75mm thick	169µl
MS15-4-0.75	Comb Prep 4, Marker 2, 0.75mm thick	91µl
MS15-10-0.75	Comb 10 sample, 0.75mm thick	34µl
MS15-12-0.75	Comb 12 sample, 0.75mm thick	30µl
MS15-20-0.75	Comb 20 sample, 0.75mm thick	16µl
MS15-35-0.75	Comb 35 sample, 0.75mm thick	7µl
MS15-10MC-0.75	Comb 10 sample MC, 0.75mm thick	22µl
MS15-14MC-0.75	Comb 14 sample MC, 0.75mm thick	22µl
MS15-16MC-0.75	Comb 16 sample MC, 0.75mm thick	20µl
MS15-18MC-0.75	Comb 18 sample MC, 0.75mm thick	8µl
MS15-28MC-0.75	Comb 28 sample MC, 0.75mm thick	8µl
MS15-30MC-0.75	Comb 30 sample MC, 0.75mm thick	9µl

1mm

Code	Description	Sample Volume for a 5mm thick gel
MS15-1-1	Comb Prep 1, Marker 1, 1mm thick	495µl
MS15-2-1	Comb Prep 2, Marker 2, 1mm thick	225µl
MS15-4-1	Comb Prep 4, Marker 2, 1mm thick	122µl
MS15-10-1	Comb 10 sample, 1mm thick	45µl
MS15-12-1	Comb 12 sample, 1mm thick	41µl
MS15-20-1	Comb 20 sample, 1mm thick	21µl
MS15-35-1	Comb 35 sample, 1mm thick	10µl
MS15-10MC-1	Comb 10 sample MC, 1mm thick	29µl
MS15-14MC-1	Comb 14 sample MC, 1mm thick	29µl
MS15-16MC-1	Comb 16 sample MC, 1mm thick	27µl
MS15-18MC-1	Comb 18 sample MC, 1mm thick	11µl
MS15-28MC-1	Comb 28 sample MC, 1mm thick	11µl
MS15-30MC-1	Comb 30 sample MC, 1mm thick	13µl

1.5mm

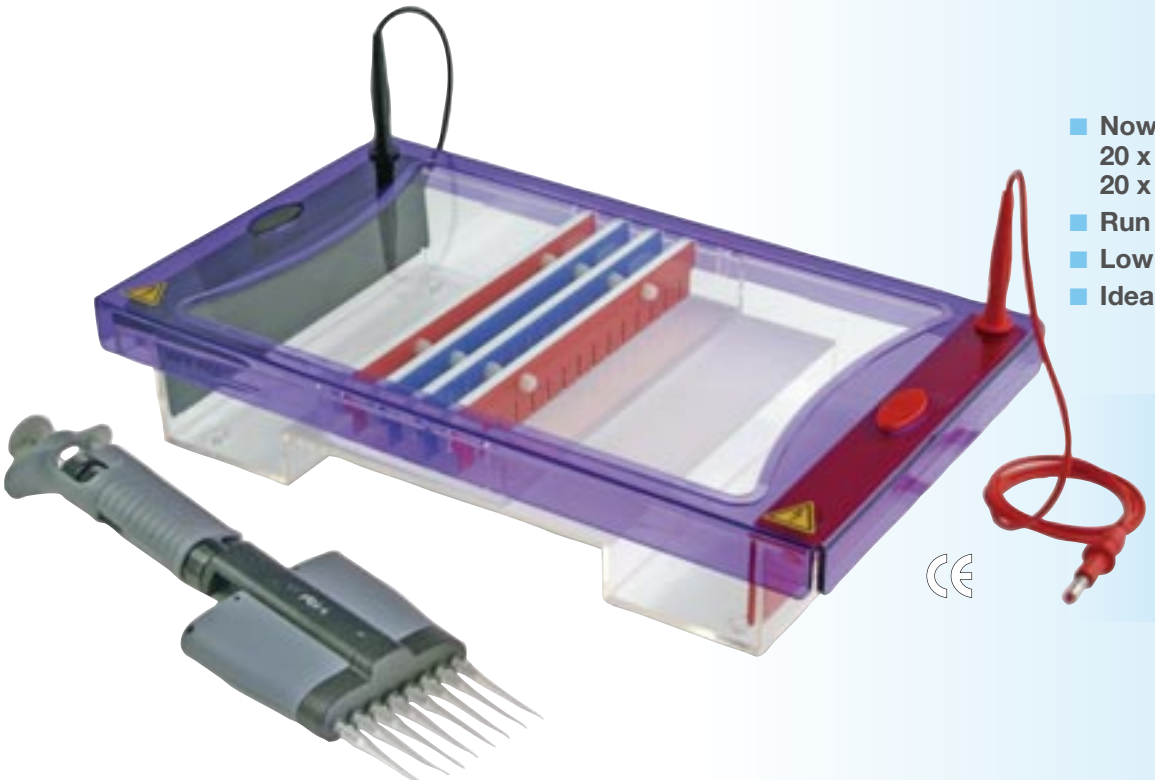
Code	Description	Sample Volume for a 5mm thick gel
MS15-1-1.5	Comb Prep 1, Marker 1, 1.5mm thick	743µl
MS15-2-1.5	Comb Prep 2, Marker 2, 1.5mm thick	338µl
MS15-4-1.5	Comb Prep 4, Marker 2, 1.5mm thick	182µl
MS15-10-1.5	Comb 10 sample, 1.5mm thick	68µl
MS15-12-1.5	Comb 12 sample, 1.5mm thick	61µl
MS15-20-1.5	Comb 20 sample, 1.5mm thick	32µl
MS15-35-1.5	Comb 35 sample, 1.5mm thick	15µl
MS15-10MC-1.5	Comb 10 sample MC, 1.5mm thick	44µl
MS15-14MC-1.5	Comb 14 sample MC, 1.5mm thick	44µl
MS15-16MC-1.5	Comb 16 sample MC, 1.5mm thick	41µl
MS15-18MC-1.5	Comb 18 sample MC, 1.5mm thick	17µl
MS15-28MC-1.5	Comb 28 sample MC, 1.5mm thick	17µl
MS15-30MC-1.5	Comb 30 sample MC, 1.5mm thick	19µl

2mm

Code	Description	Sample Volume for a 5mm thick gel
MS15-1-2	Comb Prep 1, Marker 1, 2mm thick	990µl
MS15-2-2	Comb Prep 2, Marker 2, 2mm thick	450µl
MS15-4-2	Comb Prep 4, Marker 2, 2mm thick	243µl
MS15-10-2	Comb 10 sample, 2mm thick	90µl
MS15-12-2	Comb 12 sample, 2mm thick	81µl
MS15-20-2	Comb 20 sample, 2mm thick	43µl
MS15-35-2	Comb 35 sample, 2mm thick	20µl
MS15-10MC-2	Comb 10 sample MC, 2mm thick	59µl
MS15-14MC-2	Comb 14 sample MC, 2mm thick	59µl
MS15-16MC-2	Comb 16 sample MC, 2mm thick	54µl
MS15-18MC-2	Comb 18 sample MC, 2mm thick	23µl
MS15-28MC-2	Comb 28 sample MC, 2mm thick	23µl
MS15-30MC-2	Comb 30 sample MC, 2mm thick	25µl

MC = multichannel pipette compatible

multiSUB maxi



- Now available with 20 x 25cm, 20 x 20cm, 20 x 15cm or 20 x 10cm gel trays
- Run up to 550 samples
- Low buffer volumes
- Ideal for extended separations

Typical Applications

Primarily designed for separating high numbers of samples from PCR or cloning

The multiSUB Maxi is primarily designed for resolution of high numbers of samples such as from Cloning or PCR. The multiSUB Maxi allows ultra high-resolution separations over extended runs. Tray sizes correspond to standard blotter sizes. It also allows easy sample transfer onto a membrane for further analysis.

Four gel tray sizes are available – 20 x 10cm, 20 x 15cm, 20 x 20cm and 20 x 25cm. Multichannel pipette compatible combs up to 40 sample facilitate speed loading of up to 440 samples per gel. 50 sample combs allow maximum sample capacity of 550 samples per gel.



Casting dams allow gels to be rapidly cast externally while the MultiSub™ unit is in use for gel running

Ordering Information

MSMAXI10	**multiSUB Maxi, 20 x 10cm UV Tray, 2 x 20 sample, 1mm thick combs, casting dams, loading guides**
MSMAXI15	**multiSUB Maxi, 20 x 15cm UV Tray, 2 x 20 sample, 1mm thick combs, casting dams, loading guides**
MSMAXI20	**multiSUB Maxi, 20 x 20cm UV Tray, 2 x 20 sample, 1mm thick combs, casting dams, loading guides**
MSMAXIDUO	**multiSUB Maxi, 20 x 10 & 20 x 20cm UV Tray, 2 x 20 sample, 1mm thick combs, casting dams, loading guides**
MSMAXI25	**multiSUB Maxi, 20 x 25cm UV Tray, 2 x 20 sample, 1mm thick combs, casting dams, loading guides**

MS20-UV10	20 x 10cm UV Tray	MS20-LG	Adhesive Loading Guides	MSMAXICP	Cool-Pack and Platform
MS20-UV15	20 x 15cm UV Tray	MS20-WP	Viewing Platform	MSMAXIBSB	Buffer Saver Blocks pk/2,
MS20-UV20	20 x 20cm UV Tray	MS20-PE	Positive Electrode		saves 450ml of buffer
MS20-UV25	20 x 25cm UV Tray	MS20-NE	Negative Electrode	MS20-x -yLG	Combi Comb and
MS20-UVDAM	Casting Dams	MS20-UVS	20cm UV Gel Scoop		Loading Guide;
MS15/20-FC	multiSUB Choice/Maxi Flexi caster			x = comb well no., y = comb thickness	

Technical Specifications

Gel dimensions, (W x L)	20 x 10cm 20 x 20cm
Unit dimensions (W x L x H)	39.5 x 23 x 9cm
Max. sample capacity	20 x 10cm tray – 200 samples 20 x 20cm tray – 450 samples 20 x 25cm tray – 550 samples
Buffer volume	1200ml
Combs available : No. of samples	1, 2, 4, 10, 16, 20MC, 25, 30, 36, 40MC, 50
Thicknesses	0.75, 1, 1.5, 2mm

0.75mm

Code	Description	Sample Volume for a 5mm thick gel
MS20-1-0.75	Comb Prep 1, Marker 1, 0.75mm thick	506µl
MS20-2-0.75	Comb Prep 2, Marker 2, 0.75mm thick	236µl
MS20-4-0.75	Comb Prep 4, Marker 2, 0.75mm thick	115µl
MS20-10-0.75	Comb 10 sample, 0.75mm thick	54µl
MS20-16-0.75	Comb 16 sample, 0.75mm thick	30µl
MS20-20MC-0.75	Comb 20 sample MC, 0.75mm thick	20µl
MS20-25-0.75	Comb 25 sample, 0.75mm thick	16µl
MS20-30-0.75	Comb 30 sample, 0.75mm thick	13µl
MS20-36-0.75	Comb 36 sample, 0.75mm thick	11µl
MS20-40MC-0.75	Comb 40 sample MC, 0.75mm thick	8µl
MS20-50-0.75	Comb 50 sample, 0.75mm thick	8µl

1.0mm

Code	Description	Sample Volume for a 5mm thick gel
MS20-1-1	Comb Prep 1, Marker 1, 1mm thick	675µl
MS20-2-1	Comb Prep 2, Marker 2, 1mm thick	315µl
MS20-4-1	Comb Prep 4, Marker 2, 1mm thick	153µl
MS20-10-1	Comb 10 sample, 1mm thick	72µl
MS20-16-1	Comb 16 sample, 1mm thick	41µl
MS20-20MC-1	Comb 20 sample MC, 1mm thick	27µl
MS20-25-1	Comb 25 sample, 1mm thick	21µl
MS20-30-1	Comb 30 sample, 1mm thick	17µl
MS20-36-1	Comb 36 sample, 1mm thick	14µl
MS20-40MC-1	Comb 40 sample MC, 1mm thick	11µl
MS20-50-1	Comb 50 sample, 1mm thick	10µl

1.5mm

Code	Description	Sample Volume for a 5mm thick gel
MS20-1-1.5	Comb Prep 1, Marker 1, 1.5mm thick	1013µl
MS20-2-1.5	Comb Prep 2, Marker 2, 1.5mm thick	473µl
MS20-4-1.5	Comb Prep 4, Marker 2, 1.5mm thick	230µl
MS20-10-1.5	Comb 10 sample, 1.5mm thick	108µl
MS20-16-1.5	Comb 16 sample, 1.5mm thick	61µl
MS20-20MC-1.5	Comb 20 sample MC, 1.5mm thick	41µl
MS20-25-1.5	Comb 25 sample, 1.5mm thick	32µl
MS20-30-1.5	Comb 30 sample, 1.5mm thick	26µl
MS20-36-1.5	Comb 36 sample, 1.5mm thick	22µl
MS20-40MC-1.5	Comb 40 sample MC, 1.5mm thick	17µl
MS20-50-1.5	Comb 50 sample, 1.5mm thick	16µl

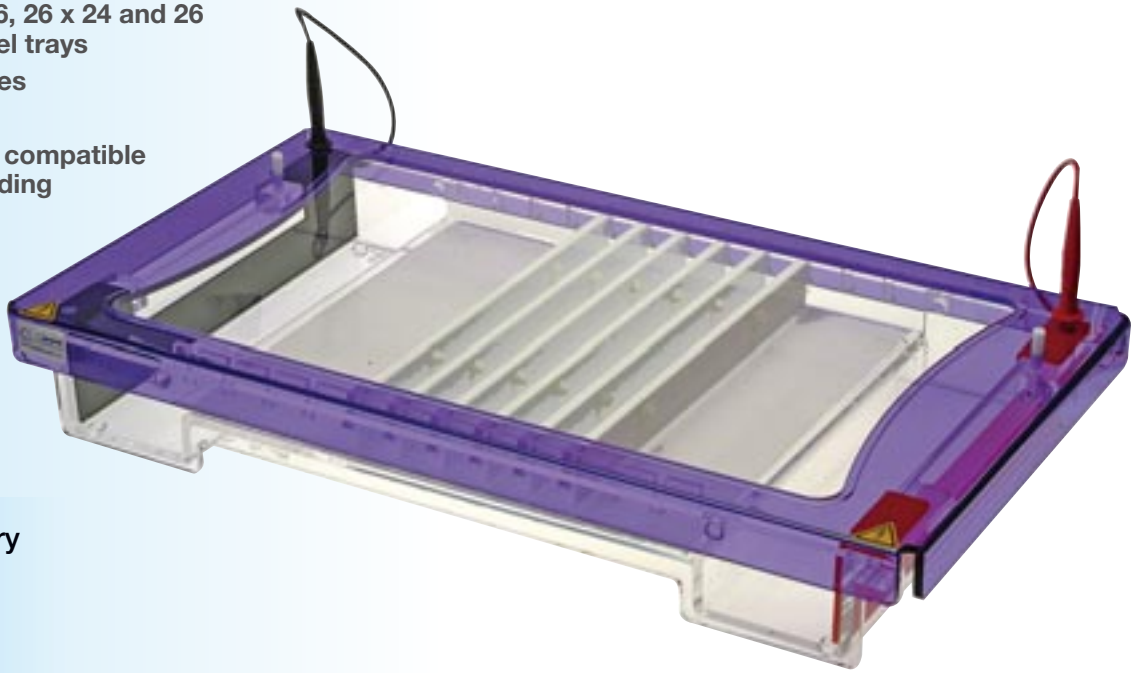
2.0mm

Code	Description	Sample Volume for a 5mm thick gel
MS20-1-2	Comb Prep 1, Marker 1, 2mm thick	1350µl
MS20-2-2	Comb Prep 2, Marker 2, 2mm thick	630µl
MS20-4-2	Comb Prep 4, Marker 2, 2mm thick	306µl
MS20-10-2	Comb 10 sample, 2mm thick	144µl
MS20-16-2	Comb 16 sample, 2mm thick	81µl
MS20-20MC-2	Comb 20 sample MC, 2mm thick	54µl
MS20-25-2	Comb 25 sample, 2mm thick	42µl
MS20-30-2	Comb 30 sample, 2mm thick	34µl
MS20-36-2	Comb 36 sample, 2mm thick	29µl
MS20-40MC-2	Comb 40 sample MC, 2mm thick	23µl
MS20-50-2	Comb 50 sample, 2mm thick	21µl

MC = multichannel pipette compatible

multiSUB screen

- **Available with 26 x 16, 26 x 24 and 26 x 32cm or all three gel trays**
- **Run up to 672 samples**
- **Low buffer volumes**
- **Multichannel pipette compatible combs for speed loading**



Typical Applications

Ideal for checking very large numbers of samples or extended high resolution separations

Designed for rapid screening of very large numbers of Clonal or PCR samples, the multiSUB Screen horizontal gel unit has a 672 maximum sample capacity per gel. This allows loading and analysis of exactly seven 96 well format micro titre plates.

The large gel run length of 32cm also allows resolution of samples over a long distance for separation of complex sample bands such as in restriction fragment analysis.

The unit is available with a full length tray or with other tray length options of 16 or 24cm so that the user's exact requirements can be matched. In addition to options for single length gel trays, multiSUB Screen is available with all three gel tray lengths to provide the maximum in flexibility, versatility and value.

Buffer recirculation ports are included as standard to allow enhanced resolution over extended runs while loading guides enhance well visibility for easy sample loading.



for Power Supplies and Product Selector see pages 38-39



all multiSUB Screen combs are multichannel pipette compatible

Technical Specifications

Gel dimensions (W x L)	26 x 32cm 26 x 24cm 26 x 16cm
Unit dimensions	50 x 28 x 9cm (L x W x H)
Max sample capacity	26 x 32cm tray – 672 samples 26 x 24cm tray – 504 samples 26 x 16cm tray – 336 samples
Buffer volume	1400ml
Combs available No. of samples Thicknesses	28MC, 56MC 0.75, 1, 1.5, 2mm

Ordering Information

MSSCREEN32	**multiSUB Screen, 26 x 32cm UV Tray, 6 x 28 sample combs, loading guides**				
MSSCREEN24	**multiSUB Screen, 26 x 24cm UV Tray, 6 x 28 sample combs, loading guides**				
MSSCREEN16	**multiSUB Screen, 26 x 16cm UV Tray, 6 x 28 sample combs, loading guides**				
MSSCREENTRIO	**multiSUB Screen, 26 x 16cm, 26 x 24cm, 26 x 32cm UV Trays, 6 x 28 sample combs, loading guides**				
MS26-UV32	26 x 32cm UV Tray	MS26-PE	Positive Electrode	MS26-x -yLG	CombiComb and Loading
MS26-UV24	26 x 24cm UV Tray	MS26-NE	Negative Electrode		Guide; x = comb well no.,
MS26-UV16	26 x 16cm UV Tray	MS26-WP	Viewing Platform	y = comb thickness	
MS26-LG	Adhesive Loading Guides	MSSCRNBSB	Buffer Saver Blocks, pk/2	MSSCRNCP	Cool-Pack and
MS26-UVS	26cm UV Gel Scoop		saves 625ml of buffer		Platform
MS26-FC	Flexicaster for gels up to 32cm. Casts 7, 10, 15, 16, 20, 24 and 32cm long gels				

Code	Description a 5mm thick gel	Sample Volume for
0.75mm		
MS26-28MC-0.75	Comb 28 sample MC, 0.75mm thick	25µl
MS26-56MC-0.75	Comb 56 sample MC, 0.75mm thick	10µl
1.0mm		
MS26-28MC-1	Comb 28 sample MC, 1mm thick	34µl
MS26-56MC-1	Comb 56 sample MC, 1mm thick	14µl

Code	Description a 5mm thick gel	Sample Volume for
1.5mm		
MS26-28MC-1.5	Comb 28 sample MC, 1.5mm thick	51µl
MS26-56MC-1.5	Comb 56 sample MC, 1.5mm thick	20µl
2.0mm		
MS26-28MC-2	Comb 28 sample MC, 2mm thick	68µl
MS26-56MC-2	Comb 56 sample MC, 2mm thick	27µl

MC = multichannel pipette compatible

miniRapide



- A convenient self contained solution for routine agarose gel electrophoresis
- Ultra compact
- Low buffer volumes
- Multichannel pipette compatible combs for speed loading

Typical Applications

For routine, rapid checking of samples

The miniRapide is a completely self contained system designed for quick checks of samples. Gel casting, running and analysis are all performed in the same ultra compact unit. Buffer and gel volumes have been kept to a minimum and the parallel electrode arrangement allows ultra efficient current transfer, enabling resolution to be completed within 30 minutes. The UV transparent base allows direct viewing on a UV Transilluminator with no need for time consuming transfer and potential gel damage. Dual comb slots allow the loading of up to 40 samples per gel while multichannel pipette compatible combs further enhance the speed and convenience.

Technical Specifications

Gel dimensions, (W x L)	10 x 8cm
Unit dimensions (W x L x H)	15 x 15 x 4cm
Max. sample capacity	40 samples
Buffer volume	50ml
Combs available : No. of samples Thicknesses	1, 4, 8, 12, 16, 20 1, 1.5mm

Ordering Information

FMMS10	**miniRapide, 10 x 8cm, 2 x 8 sample combs 1.5mm and casting dams**
FMMS-DAM	miniRapide Casting dams, pk/2
RPW0.2	Replacement Platinum Wire 0.2mm – 50cm

1.0mm combs

Code	Description	Sample Volume for a 5mm thick gel
FMMS-1-1	Comb 1 sample , 1 dye , 1mm thick	330µl
FMMS-4-1	Comb 4 sample, 1mm thick	90µl
FMMS-8-1	Comb 8 sample, 1mm thick	40µl
FMMS-12-1	Comb 12 sample, 1mm thick	25µl
FMMS-16-1	Comb 16 sample, 1mm thick	15µl
FMMS-20MC-1	Comb 20 sample MC, 1mm thick	10µl

1.5mm combs

Code	Description	Sample Volume for a 5mm thick gel
FMMS-1-1.5	Comb 1 sample , 1 dye , 1.5mm thick	495µl
FMMS-4-1.5	Comb 4 sample, 1.5mm thick	135µl
FMMS-8-1.5	Comb 8 sample, 1.5mm thick	60µl
FMMS-12-1.5	Comb 12 sample, 1.5mm thick	38µl
FMMS-16-1.5	Comb 16 sample, 1.5mm thick	23µl
FMMS-20MC-1.5	Comb 20 sample MC, 1.5mm thick	15µl

MC = multichannel pipette compatible

batteryGel

The MSBGEL battery mini-gel is designed specifically with safety and cost in mind: as no power supply is necessary. Results are obtainable within 1.5 hours if used with our completely safe educational electrophoresis kit, which is free of ethidium bromide. It includes non-toxic electrophoretic dyes, spotting pipettes, agarose, buffer and classroom protocols.



- Low voltage makes the MSBGEL ideal for use in schools and colleges where safety is paramount
- Integrated safety lid makes the gel inaccessible during use
- UV-transparent acrylic for direct visualisation of the gel within the tank
- Small size minimises the buffer and gel consumption
- Cost-effective – no need for expensive power supplies, or transilluminators if supplied with optional kit

Technical Specifications

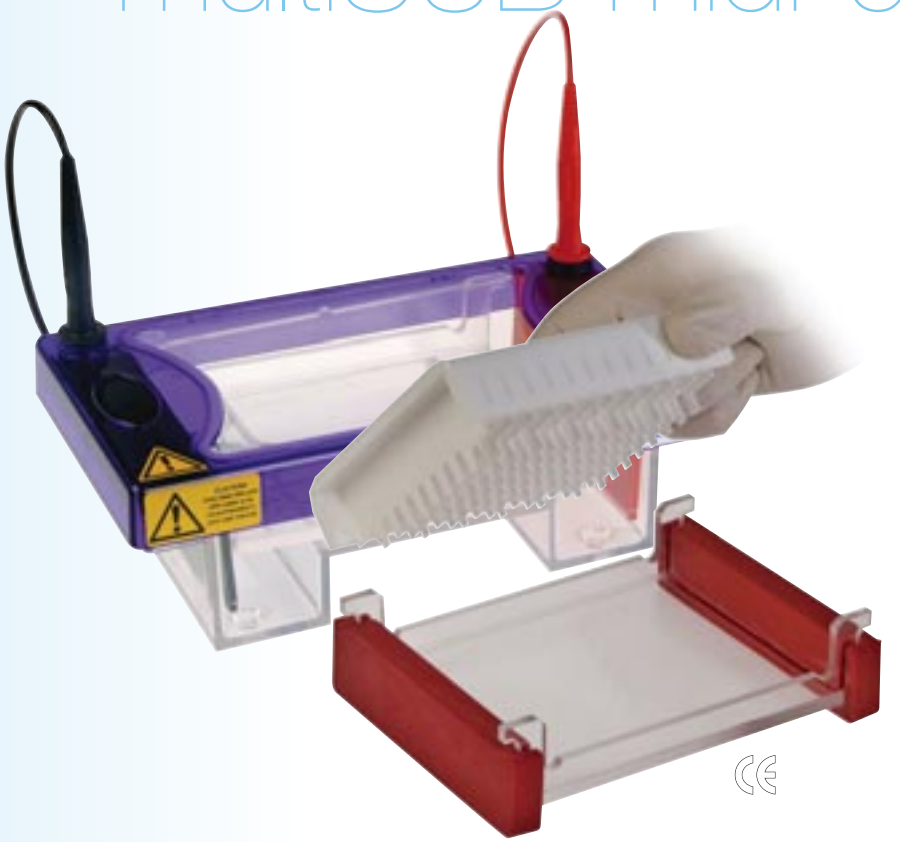
Unit Dimensions (W x L x H)	11 x 17 x 3.5cm
Gel Dimensions (W x L)	6 x 7.5cm
Minimum Buffer Volume	50ml
Maximum Sample Capacity	32
Combs: Comb Thickness Number of Samples	1mm 4, 8, 12 and 16

Ordering Information

MSBGEL	**Battery operated horizontal gel 6 x 7.5cm, 2 x 8 sample combs, casting gates**		
MSBGEL-KIT	**Educational electrophoresis kit with 1x100ml TBE buffer, 1x 5g agarose, 4x electrophoretic dyes, spotting pipette and classroom protocols**		
MSBGEL-CG	Casting gates Pk/2 for MSBGEL	MSBG-1-8	Comb 8 sample, 1mm thick
MSBGEL-BAT	PP3 batteries for MSBGEL Pk/2	MSBG-1-12	Comb 12 sample, 1mm thick
MSBG-1-4	Comb 4 sample, 1mm thick	MSBG-1-16	Comb 16 sample, 1mm thick

multiSUB midi-96

- **Designed for loading of DNA samples from multi-well plates**
- **Ideal for high throughput electrophoresis**
- **Average run-time is just 15 to 30 minutes**
- **Direct microplate format for easy lane identification**
- **Multichannel pipette compatible combs for speed loading**



Typical Applications

Ideal for analysis of up to 96 PCR-fragment length polymorphisms loaded from 96-well microplates or thermal cycler blocks

The multiSUB Midi 96 Gel System is ideal for high throughput electrophoresis of PCR products or samples containing a small number of DNA bands.

Its 10x12cm (WxL) gel dimensions and 96-well comb block format correspond to the standard microplate configuration, with additional lanes for markers. Two different types of comb are available: one which has 8 wells and one additional lane for DNA markers and one which has 8 wells and 2 additional lanes for markers. The offset layout of the wells allows a maximum run length of 1.8cm per well, resulting in improved separation.

multiSUB Midi 96 can accommodate samples from a 96-well plate – samples can be loaded directly using 8-channel pipettes. As with all multiSUB units, leak-proof casting is simplified using the supplied casting dams while their ultra-compact size minimises buffer usage and bench space requirements.

MSMIDI96 Stretch Systems are also available for those users requiring an extended run length per well of up to 3.6cm.



After pouring gel, the 96 well comb is inserted and the gel is allowed to set



Samples are loaded using a multichannel pipette



After removing dams, running tray is transferred



to the gel chamber and the lid positioned ready for electrophoresis



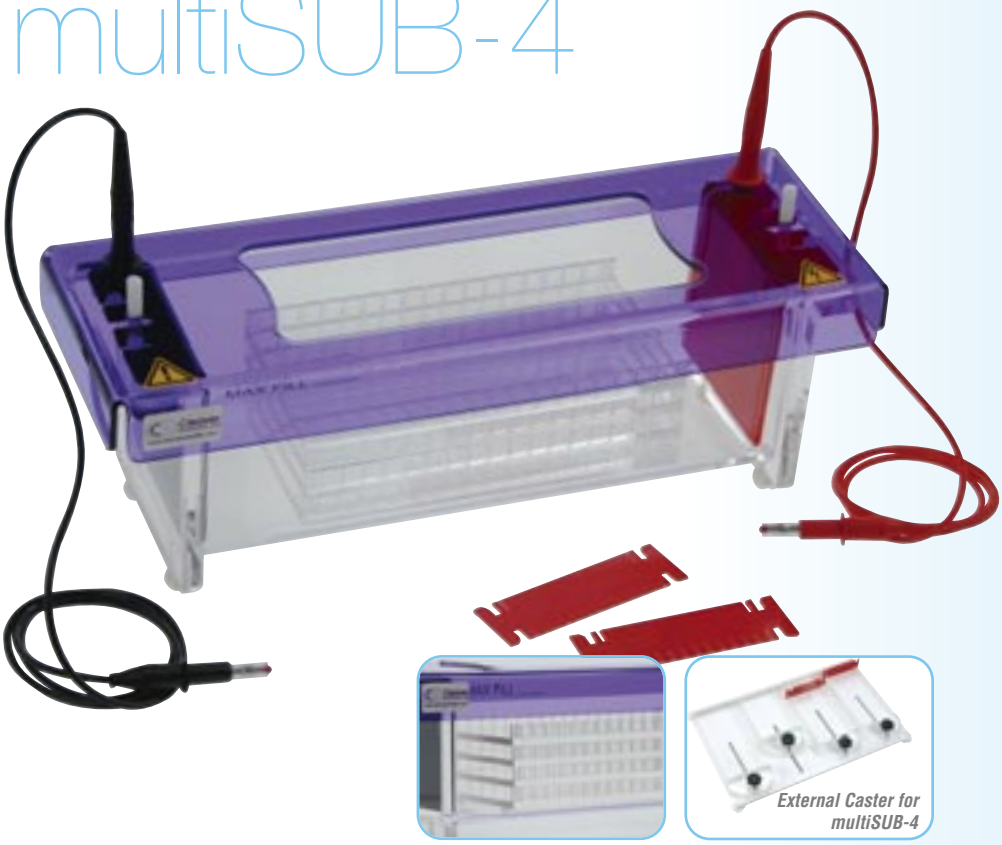
Technical Specifications

Gel Dimensions, (W x L)	msmidi96:	10 x 12cm
	msmidi96st:	10 x 24cm
Unit Dimensions: (W x D x H)	msmidi96:	22 x 12.5 x 9cm
	msmidi96st:	46.5 x 12.5 x 8cm
Buffer Volume: (W x L)	msmidi96:	300ml
	msmidi96st:	700ml
Max. sample capacity	96 samples plus 1 or 2 marker lanes	
Combs available:		
No. of samples	8 + 1x Marker, 8 + 2x Markers	
Thicknesses	1, 1.5mm	

Ordering Information

MSMIDI96	**Multi Sub Midi96, UV tray, Comb block with 12 x 8 sample, 1mm thick combs, casting dams**
MSMIDI961.5	**Multi Sub Midi96, UV tray, Comb block with 12 x 8 sample, 1.5mm thick combs, casting dams Combs have one marker lane**
MSMIDI96/2M	**Multi Sub Midi96, UV tray, Comb block with 12 x 8 sample, 1mm thick combs, casting dams Combs have two marker lanes**
MSMIDI96/1.5/2M	**Multi Sub Midi96, UV tray, Comb block with 12 x 8 sample, 1.5mm thick combs, casting dams Combs have two marker lanes**
MSMIDI96ST	**Multi Sub Midi96 STRETCH, UV tray, Comb block with 12 x 8 sample, 1mm thick combs, casting dams**
MSMIDI96ST1.5	**Multi Sub Midi96 STRETCH, UV tray , Comb block with 12 x 8 sample, 1.5mm thick combs, casting dams. Combs have one marker lane**
MSMIDI96ST/2M	**Multi Sub Midi96 STRETCH, UV tray , Comb block with 12 x 8 sample, 1mm thick combs, casting dams. Combs have two marker lanes**
MSMIDI96ST/1.5/2M	**Multi Sub Midi96 STRETCH, UV tray , Comb block with 12 x 8 sample, 1.5mm thick combs, casting dams. Combs have two marker lanes**
MSMIDI96-8-1-CB	MSMIDI 96 Comb 8 sample MC + 1 Marker, 1mm thick COMB BLOCK
MSMIDI96-8-1.5-CB	MSMIDI 96 Comb 8 sample MC + 1 Marker, 1.5mm thick COMB BLOCK
MSMIDI96-8-1/2M-CB	MSMIDI 96 Comb 8 sample MC + 2 Marker, 1mm thick COMB BLOCK
MSMIDI96-8-1.5/2M-CB	MSMIDI 96 Comb 8 sample MC + 2 Marker, 1.5mm thick COMB BLOCK
MSMIDI96ST-8-1-CB	MSMIDI 96 STRETCH Comb 8 sample MC + 1 Marker, 1mm thick COMB BLOCK
MSMIDI96ST-8-1.5-CB	MSMIDI 96 STRETCH Comb 8 sample MC + 1 Marker, 1.5mm thick COMB BLOCK
MSMIDI96ST-8-1/2M-CB	MSMIDI 96 STRETCH Comb 8 sample MC + 2 Marker, 1mm thick COMB BLOCK
MSMIDI96ST-8-1.5/2M-CB	MSMIDI 96 STRETCH Comb 8 sample MC + 2 Marker, 1.5mm thick COMB BLOCK
MSMIDI96-8-1	MSMIDI 96 Comb 8 sample MC, 1mm thick. one marker lane.
MSMIDI96-8-1.5	MSMIDI 96 Comb 8 sample MC, 1.5mm thick. one marker lane.
MSMIDI96-8-1/2M	MSMIDI 96 Comb 8 sample MC, 1mm thick. two marker lanes.
MSMIDI96-8-1.5/2M	MSMIDI 96 Comb 8 sample MC, 1.5mm thick. two marker lanes.
MS10-UV96	Multi Sub Midi, 96 Well Tray
MS10-UV96ST	Multi Sub Midi STRETCH, 96 Well Tray

multiSUB-4



External Caster for multiSUB-4

- **Separates a maximum 1200 samples in as little as 15 minutes in 4 stacked horizontal gel trays**
- **Multichannel-compatible combs and gel plate configurations compatible with microplates and thermal cycler blocks ensure rapid loading of DNA minipreps and PCR products by 8-channel pipette**
- **Double-sided 1.5-mm-thick combs allow more sample volume to be loaded into each well**
- **Three gel tray options available in 8x6, 8x12 and 8x18cm (WxL) sizes for maximum flexibility**
- **Small footprint area reduces uptake of bench space within the laboratory**

The multiSUB-4 is a compact system capable of running a maximum 1200 samples simultaneously by stacking up to 4 horizontal gels. This achieves high sample throughput while maintaining the time- and space-saving advantages of a small, compact unit.

Each multiSUB-4 is supplied with 4 gel trays and 8 combs as standard, while additional trays and combs may be purchased as required. Two double-sided comb and three tray length formats are also available.

An optional flexicaster, either supplied separately or as a package with the multiSUB-4, is also available that allows up to four 8x6, 8x12 and 8x18cm multisUB-4 gel trays to be cast simultaneously outside the tank.

Typical Applications

Ideal for rapid checking of large numbers of samples from PCR and cloning

Ordering Information

CSL-MULTISUB4	**Multisub4, Multi-Level Gel Chamber, Includes 4x 18cm UV Trays, 8x 18/8 Sample 1.5mm Combs (Tape UV Trays To Seal)**		
CSL-MULTISUB4EXCAS	**Multisub4, As Above But With External Caster For 4 Gels**		
MSUB4UV6	multiSUB4 tray 8 x 6cm	MSUB4-18/8-1	18/8 Sample 1mm Combs for multiSUB4
MSUB4UV12	multiSUB4 tray 8 x 12cm	MSUB4-12/1-1.5	12/1 SAMPLE 1.5mm Combs for multiSUB4
MSUB4UV18	multiSUB4 tray 8 x 18cm	MSUB4-18/8-1.5	18/8 SAMPLE 1.5mm Combs for multiSUB4
MSUB4EXCASTER	External Caster For Msub4 (4 Trays)	CSL-CAB	Electrophoresis cable (Black & Red)
MSUB4-12/1-1	12/1 Sample 1mm Combs for multiSUB4		

Technical Specifications

Gel dimensions, (W x L)	8 x 6cm, 8 x 12cm, 8 x 18cm
Unit dimensions	35 x 11 x 16cm (W x D x H)
Max. sample capacity	per 18cm tray with 1cm run length: 306 with 2cm run length: 144 with 3cm run length: 72
Buffer volume	200, 400, 600 or 800ml (for 1, 2, 3 or 4 gel trays resp.)
Combs available : No. of samples Thicknesses	1, 8, 12, 18 DuoCombs 1, 1.5mm

casting systems

Two horizontal flexicasters are now available for use with the multiSUB Mini and Midi and multiSUB Midi and Maxi gel trays. Each flexicaster is entirely versatile and includes an adjustable barrier that may be locked into position to ensure efficient leak free casting. No further casting accessories are needed other than the gel tray, while adjustable levelling feet and a spirit bubble facilitate even gel-pouring.







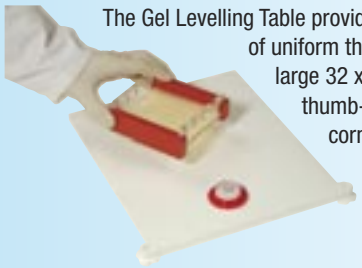
- **Adjustable barrier with ultra-soft silicone gasket ensures leak-proof casting**
- **Mini flexicaster accommodates 7x7, 7x10, 10x7 and 10x10cm gel trays**
- **Maxi flexicaster accommodates 15x7, 15x10 and 15x15 and 20x10, 20x15, 20x20 and 20x25cm gel trays**

Ordering Information

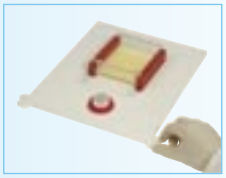
MS7/10-FC	Multi Sub Mini/Midi Flexi caster	MS15/20-FC	Multi Sub Choice/Maxi Flexi caster

accessories

gel levelling table

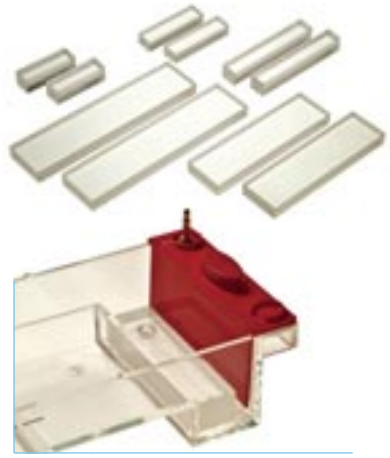


The Gel Levelling Table provides a useful way of pouring gels of uniform thickness. The table features a large 32 x 26cm platform with large thumb-wheel levelling feet at each corner. A levelling bubble is supplied.



buffer saver blocks

Buffer saver blocks physically reduce the volume in positive and negative compartments of a gel chamber and so reduces buffer requirements, saving cost. Blocks are available for all multiSUB Horizontal Gel Units.



combi-comb/loading guides

- **Colour coded for thickness**
- **Comb and guide in one piece for convenience**
- **Adjustable height**

These guides combine the convenience of a regular comb with the appropriate guide (same teeth number and width) for loading samples, simply flip over.



gel rulers



- **Sharp, clear, easily visible markings**
- **For use with ethidium bromide gels**
- **Ideal for gel presentation**

high efficiency horizontal gel cooling

- **Effective cooling**
- **Cools without external chilling systems**
- **Improves gel resolution and reduces run times**



Comprising a removable Gel Platform and CoolPack this unique system will cool the buffer chamber of multiSUB horizontal gel units without any external chilling. Simply place the platform over the running tray and place a pre-chilled CoolPack on top. This allows the CoolPack to sit above the gel in buffer directly removing any heat generated.

Ordering Information

High Efficiency Horizontal Gel Cooling Systems	
MSMINICP	Cool-Pack and Platform for MSMINI
MSMIDICP	Cool-Pack and Platform for MSMIDI
MSCHOICECP	Cool-Pack and Platform for MSCHOICE
MSMAXICP	Cool-Pack and Platform for MSMAXI
MSSCREENCP	Cool-Pack and Platform for MSSCREEN

Horizontal Systems Combi Comb / Loading Guides	
(x = comb well number, y = comb thickness)	
MS7-x -yLG	Combination Comb and Loading Guide for MSMINI
MS10-x -yLG	Combination Comb and Loading Guide for MSMIDI
MS15-x -yLG	Combination Comb and Loading Guide for MSCHOICE
MS20-x -yLG	Combination Comb and Loading Guide for MSMAXI
MS26-x -yLG	Combination Comb and Loading Guide for MSSCREEN

Horizontal Buffer Saver Blocks	
MSMINIBSB	Buffer Saver Blocks for MSMINI, pk/2 saves 100ml of buffer
MSMIDIBSB	Buffer Saver Blocks for MSMIDI, pk/2 saves 100ml of buffer
MSCHOICEBSB	Buffer Saver Blocks for MSCHOICE, pk/2 saves 190ml of buffer
MSMAXIBSB	Buffer Saver Blocks for MSMAXI, pk/2 saves 450ml of buffer
MSSCREENBSB	Buffer Saver Blocks for MSSCREEN, pk/2 saves 625ml of buffer

Gel Levelling Table	
CSL-GLT	Gel Levelling Table

UV Fluorescent Ruler	
CSL-RULER	UV Fluorescent Ruler

buffers, agarose, markers

buffers for nucleic acid electrophoresis

Available in powder sachets to maintain shelf life, Cleaver Scientific TBE is available for nucleic acid gel electrophoresis techniques. Each buffer sachet, which is available in packs of 10, may be reconstituted to make 1 litre of working solution. Buffers may also be supplied in 1 litre and 5 litre volumes as ready-made 50x TAE and 10x TBE solutions.

high grade agarose for nucleic acid electrophoresis



AG agaroses are suitable for routine analysis of nucleic acids. They combine tensile strength with low electro-endosmotic effects to achieve high resolving power for a wide size range of nucleic acid fragments.

GelX disposable gel excision tips

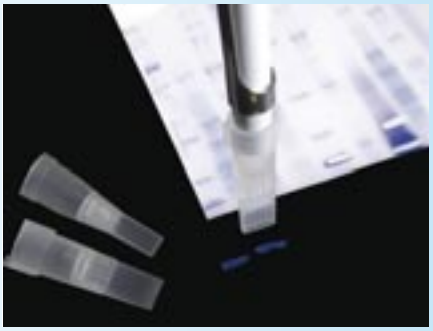
Widely acclaimed as a great new tool for gene cloning and now available from Cleaver Scientific, GelX disposable gel excision tips offer a unique and convenient way to excise bands from gels. GelX tips allow completely safe and contamination free removal of the gel band of interest without the need to handle potentially dangerous scalpels. The gel band is neatly extracted and contained in the tip, when it is then dispensed into a tube for further analysis. Once used, the tip is ejected for disposal.

- **Eliminates scalpel damage to transilluminator or gel tray**
- **Designed for removing bands from agarose and protein gels**
- **One handed operation**
- **Push button gel and tip release mechanism**
- **Fits standard 1000 µl pipettors**
- **Autoclavable**
- **DNase and RNase free**
- **Sterile versions are also available**



RNase-Free Water

DEPC-treated to eliminate enzyme activity and then autoclaved, this sterile highly purified water product is perfect for use in PCR and Northern blotting techniques. Available either in a single 250ml bottle or as one hundred 5ml aliquots to prevent cross-contamination.



ready-to-use DNA markers

Pre-made and containing bromophenol blue for immediate use, Cleaver Scientific markers are specially formulated to run accurately and produce sharp, well defined DNA ladders. Available in five molecular weight ranges, each marker may be stored at room temperature. DNA loading dye, containing 10x bromophenol blue, is also available in 1ml volumes for easy sample loading and migration.



Ordering Information

High Grade Agarose for Nucleic Acid Electrophoresis			
CSL-AG100	Agarose 100g (1 x 100g Bottles)	CSL-AG1000	Agarose 1000g (2 x 500g Bottles)
CSL-AG500	Agarose 500g (1 x 500g Bottles)	CSL-AG2000	Agarose 1000g (4 x 500g Bottles)
Buffers for Nucleic Acid Electrophoresis			
CSL-TBEP	Powdered Tris-Borate-EDTA Running buffer - 10 Pouches (10 litres/pk)	TBE10X1L	Cleaver Buffer Tris-Borate-EDTA Running Buffer 10X 1 litre
TAE50X1L	Cleaver Buffer Tris-Acetate-EDTA Running Buffer 50X 1L	TBE10X5L	Cleaver Buffer Tris-Borate-EDTA Running Buffer 10X 5 litres
TAE50X5L	Cleaver Buffer Tris-Acetate-EDTA Running Buffer 50X 5L		
RNase-Free Water			
RFW250	RNase-Free Water 250 ml	RFW50X5	RNase-Free Water 50x 5ml
Ready-to-Use DNA Markers			
CSL-MDNA-100bp	100 bp DNA Ladder (can be stored at Room temperature)	CSL-MDNA-HR	High Range DNA Ladder, 1000bp-10,000bp (can be stored at room temperature)
CSL-MDNA-1kb	1 kb DNA Ladder (can be stored at room temperature)	CSL-MDNA-LR	Low Range DNA Ladder, 125bp-3,000bp (can be stored at room temperature)
CSL-MDNA-BR	Broad Range DNA Ladder, 250bp-8,000bp (can be stored at room temperature)	CSL-LOADDYE	10x Bromophenol Blue Loading Dye, 1ml
GelX disposable gel excision tips			
CSL- gelX4	4mm x 1mm 250/ bag	CSL- gelX 6.5	6.5mm x 1mm 250/ bag
CSL- gelX4RACK	4mm x 1mm 5 racks of 48	CSL- gelX6.5RACK	6.5mm x 1mm 5 racks of 48