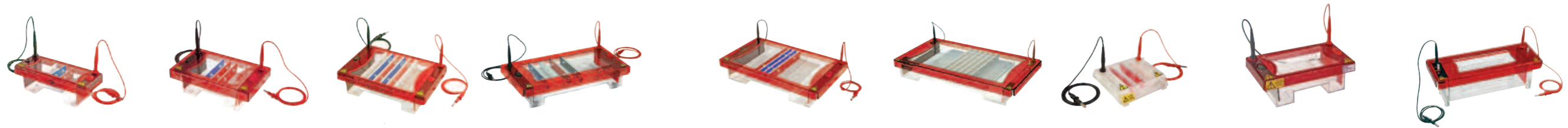


multisub selection guide



	MSMINI	MSMIDI	MSCHOICE	MSCHOICEST	MSMAXI	MSSCREEN	RAPIDE	MSMIDI96	MULTISUB-4
	The preferred option for quick sample checks, particularly following restriction digestion during cloning. Its slim tray format makes the MSMINI a very economical choice for separation of up to 64 samples.	These units offer the same trays lengths, but in a wider format, to run more samples just as economically as in the MSMINI under similar running conditions.	Wide format system offers 2-3 times the sample capacity as the MSMINI and MSMIDI units. A comprehensive selection of combs provides full flexibility for preparatory and screening techniques. Suitable for cloning and mini-prep analysis.	A 'stretched' version of the MSCHOICE, this system is perfect for extended high-resolution separations of samples from 96-well microplates and blocks, using its 15x20cm and 15x25cm gel trays and four 28-sample multichannel compatible combs. May also be used for routine preparatory techniques.	Large-format system is versatile enough to be used for routine preparatory and high-throughput techniques. Combs with spacing compatible with fixed multichannel pipettes simplify loading from 96-well microplates and thermal cycler blocks. Suitable for RFLP analysis, Southern and northern blotting applications, plus DNA library and PCR fragment analyses.	Supplied with six 28-sample multichannel compatible combs, with well-spacing that favours direct loading. The content of at least one 96-well microplate or thermal cycler block may be screened in a single gel. Standard combs may be exchanged for 56-sample versions to double the sample capacity. A dedicated system for all high-throughput screening applications.	An ultra-compact self-contained system for routine molecular biology procedures and quick checks of samples. Buffer and gel volumes kept to a minimum to maximise current and separation speed.	96-well comb block and specialised tray replicate the format and well-spacing of microplates and thermal cycler blocks. Offset well configuration and short separation distance (1.8cm) allow samples to be run within 15-30 minutes. Ideal system for rapid screening of up to 96 PCR-fragment length polymorphisms. Stretch versions available with extended 3.6cm separation distance to double	capacity. Separates up to 1200 samples in as little as 15 minutes, over a short 1cm separation distance, in 4 stacked horizontal gel trays. A relatively small footprint area, plus the capacity to run 4 gels in 1 tank, saves on valuable laboratory bench space as well as resources.
Unit Dimensions (w x l x h)	9 x 21 x 9cm	12.5 x 22 x 9cm	17.5 x 26.5 x 9cm	17.5 x 41 x 9cm	23 x 39.5 x 9cm	28 x 50 x 9cm	15 x 15 x 4cm	12.5 x 22 x 9cm (MIDI96) 12.5 x 46.5 x 8cm (MIDI96ST)	11 x 35 x 16cm
Active Gel Size (w x l) / Corresponding Gel Tray	7x7cm / MS7-UV7 7x10cm / MS7-UV10	10x7cm / MS10-UV7 10x10cm / MS10-UV10	15x7cm / MS15-UV7 15x10cm / MS15-UV10 15x15cm / MS15-UV20	15x20cm / MS15-UVST20 15x25cm / MS15-UVST25	20x10cm / MS20-UV10 20x15cm / MS20-UV15 20x20cm / MS20-UV20 20x25cm / MS20-UV25	26x16cm / MS26-UV16 26x24cm / MS26-UV24 26x32cm / MS26-UV32	10x8cm / in-built tray	10x12cm / MS10-UV96 10x24cm / MS10-UV96ST	8x6cm / MSUB4UV6 8x12cm / MSUB4UV12 8x18cm / MSUB4UV18
Sample Capacity	1-32 (7x7cm) a 1-64 (7x10cm) b	1-50 (10x7cm) a 1-100 (10x10cm) b	1-70 (15x7cm) a 1-140 (15x10cm) b 1-210 (15x15cm) c	1-280 (15x20cm) † 1-350 (15x25cm) ††	1-200 (20x10cm) b 1-350 (20x15cm) c 1-450 (20x20cm) d 1-550 (20x25cm) e	28-336 (26x16cm) c 28-504 (26x24cm) e 28-672 (26x32cm) f	1-40 (10x8cm) a	96 samples plus 12 (1 lane) or 24 (2 lanes) marker wells	8-126 (8x6cm) g 8-198 (8x12cm) e 8-306 (8x24cm) h
Tank Buffer Volume	225ml	300ml	500ml	1000ml	1200ml	1400ml	50ml	300ml (MSMIDI96) 700ml (MIDI96ST)	200ml: 1 tray 400ml: 2 trays 600ml: 3 trays 800ml: 4 trays
Buffer Recirculation	No	No	Recommended for high voltage applications or extended runs. Requires modified lid with 2 buffer recirculation ports. Available on request as per part numbers below: - MS15LID-BP MS15STLID-BP						
Plug-and-Go Casting Dams Supplied	Yes, 1 pair	Yes, 1 pair	Yes, 1 pair	Yes, 1 pair	Yes, 1 pair	No – supplied with dedicated MSSCREEN flexicaster; See MS26-	FC No	No	No
Flexicaster Options & Tray Capacity	MS7/10-FC: 1 tray MS15/20-FC: 2 trays* MS26-FC: 3 trays*	MS7/10-FC: 1 tray MS15/20-FC: 1 tray MS26-FC: 3 trays*	MS15/20-FC: 1 tray MS26-FC: 1 tray	MS15/20-FC: 1 tray MS26-FC: 1 tray	MS15/20-FC: 1 tray MS26-FC: 1 tray	MS26-FC: 1 tray	No	No	MSUB4EXCASTER: 4 trays
Typical Running Conditions	80V, 45-60 minutes	90V, 45-60 minutes	90-150V, 60-90 minutes	100-150V, 60-90 minutes	100-150V, 60-90 minutes	100-150V, 90-120 minutes	50V, 30-60 minutes	90V, 15-30 minutes	100-150V, 15-30 minutes
Bromophenol Blue Migration	~4-5cm/h at 80V	~4-5cm/h at 90V	~4-7cm/h at 90-150V	~4-6cm/h at 100-150V	~4-6.5cm/h at 100-150V	~4-6cm/h at 100-150V	~4cm/h at 50V	~4-5cm/h at 90V	~4-6cm/hr at 100-150V

a Assumes 1-2 combs per gel; b Assumes 1-4 combs per gel;; c Assumes 1-6 combs per gel;; d Assumes 1-9 combs per gel;
e Assumes 1-11 combs per gel; f Assumes 1-12 combs per gel; † Assumes 1-8 combs per gel;; †† Assumes 1-10 combs per gel

* Assumes multisUB™ trays are of the same length (e.g two MS7-UV7) and arranged side-by-side.