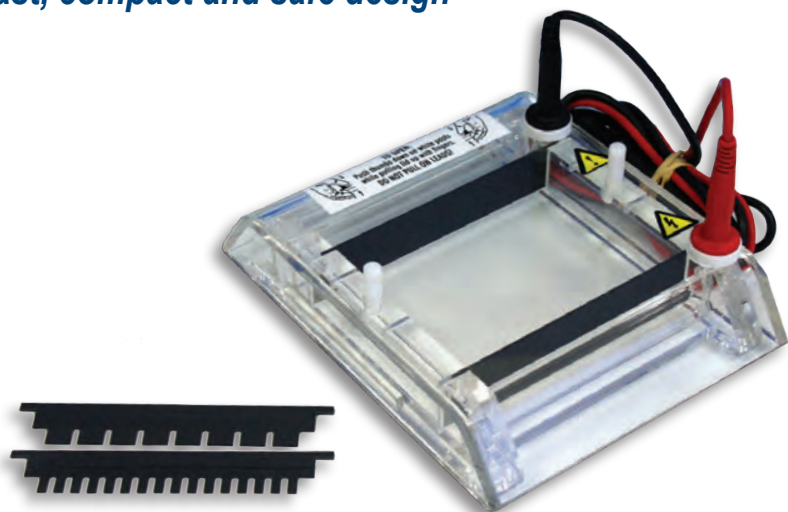


*Fast, compact and safe design*

HORIZONTALS



## Mini-Fast Sub

MGU-303

Complete System:

- UV transparent base with grooves for gel casting dams, 2 comb slots and built-in storage compartment
- Platinum electrodes
- 2 gel casting dams
- 2 combs of your choice
- Safety cover with power leads

## APPLICATIONS

- Separation & identification of DNA fragments, RNA fragments, PCR products and synthetic oligonucleotides
- Electro-elution of DNA in dialysis bags

## FEATURES

- Run times are less than an hour.
- UV transparent base allows sample visualization simply by transferring unit to transilluminator.
- This uniplanar design has a buffer chamber only slightly longer than the gel itself, minimizing the amount of buffer required - 50 ml of 0.5X TBE recommended.
- Maximum of 50ml of agarose is needed. Can use as little as 30ml for analytical runs with small sample volumes.
- 1 or 2 combs positions for a maximum of 40 sample throughput.
- Two precision-fit PVC dams snap snugly into grooves for leak-free gel casting in gel bed. Since gels are cast in place, they are ready to run without casting tray or gel handling.
- Less than 15 minute run time required for elution of DNA in dialysis bags.

## COMB OPTIONS

material: PVC

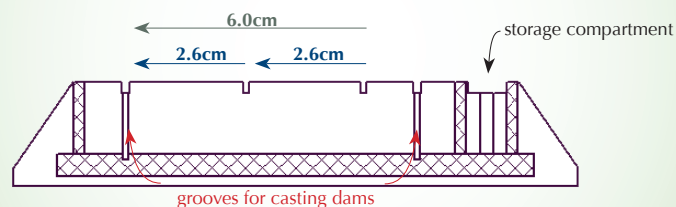
tooth depth: 5.37mm, overall length: 8.8cm

Cat. #	# of Teeth	Thickness of Teeth (mm)	Width of Teeth (mm)	Recommended Max. Sample Vol./ Well (µl)
MFS-1004	4	1.0	20.2	82
MFS-1008	8	1.0	8.88	36
MFS-1016	16	1.0	3.27	13
MFS-1020	20	1.0	3.05	12
MFS-2004	4	2.0	20.2	163
MFS-2008	8	2.0	8.88	72
MFS-2016	16	2.0	3.27	26
MFS-2020	20	2.0	3.05	24

## Base Profile and Migration Distances

**1 comb:** 1 pathlength of up to 6cm (green arrow)

**2 combs:** 2 pathlengths of up to 2.6cm (blue arrows)



## SPECIFICATIONS

Horizontal System Cat. #	Overall Dimension W x L x H (cm)	Gel Bed Size W x L (cm)	Buffer Volume (ml)	Agarose Solution Required* (ml)	# of Comb Slots	Pathlength/Slot (cm)	Maximum # of Samples
<b>MGU-303</b>	14 x 17 x 8	10 x 8	50	38	2	2.6	40

\*Agarose required was calculated using a gel thickness of 0.5cm

## ORDERING INFORMATION

CAT. #	DESCRIPTION
<b>MINI-FAST SUB</b>	
MGU-303	<b>Mini-Fast Sub, CE, Complete System, gel dimension 10cm(w) x 8cm(l)</b>
<b>Related Products</b>	
MCD-300	Additional Casting Dams, set of 2
EPS-300 X	<b>Power Supply, CE, 10-300V, 4-500mA</b>