

Tissue Culture

Biological Stirrers



Suitable for microcarrier and suspension cell culture. Uniform suspension of the microcarrier beads in the medium is achieved by a gentle stirring action which aids attachment and promotes circulation of the medium around the cells on each microcarrier bead to encourage a high rate of growth.

- ◆ Stainless steel stirrer platform
- ◆ Siliconised borosilicate glass culture vessels and stirrer rods
- ◆ Negligible heat input to culture vessels
- ◆ Can be operated inside an incubator
- ◆ Speed range 0 to 80rpm

Stirrer Units, MCS

Model	102L	104S	104L	104XL	
Vessels/system	2	4	4	4	
Max. vessel size	litres	1	0.5	1	5
Overall, H	mm	90	90	90	90
W	mm	140	250	395	530
D	mm	400	365	495	595
Weight	kg	3.0	4.1	6.1	11.5

Culture Vessels

Size	250ml	500ml	1 litre	
Working volume min./max.	100/350ml	200/700ml	0.5/1.5 litre	
Overall height x depth	mm	170 x 80	205 x 100	280 x 135
Side necks	2	2	2	

Biological Stirrers, Techne

For 220-240V 50/60Hz single phase supplies. Without culture vessel or stirring rod.

- TR150-30 MCS102L
- TR150-45 MCS104S
- TR154-25 MCS104L
- TR154-50 MCS104XL

Culture Vessels

As described. Siliconised borosilicate glass. Complete with caps and stirrer rod.

- TR170-20 250ml
- TR170-30 500ml
- TR170-40 1 litre

Incubator – see IN800-10.

Culture Vessels

Spinner Flasks, Proculture®, Corning®

Borosilicate glass. With extended design, vortex impellor which maximises cell growth and viability by ensuring gentle, constant, liquid motion from top to bottom, eradicating dead spots, and agitation of the gas:liquid interface to promote better aeration.

- ◆ Wide centre neck opening
- ◆ Angled side arms that easily accommodate 50ml pipettes
- ◆ Unique dual-bearing impellor and shaft securing mechanism
- ◆ Constant flask height to width ratios for greater predictability in scale up across the range
- ◆ Baffled sides enhance liquid agitation
- ◆ All materials used in construction are FDA-approved

As described. Supplied with two angle side-arms and centre neck with diameters as indicated, screw cap assemblies and a polysulphone shaft with vortex impellor paddle. Supplied singly.

	Ref. 4500-	Cap. litres	Centre neck, mm	Side arm, mm
TR285-10	-125	0.125	70	32
TR285-20	-250	0.250	70	32
TR285-30	-500	0.500	100	45
TR285-40	-1L	1	100	45
TR285-50	-3L	3	100	45
TR285-60	-6L	6	100	45
TR285-70	-8L	8	100	45
TR285-80	-15L	15	100	45
TR285-90	-36L	36	100	45



TR150-45 in use



TR285