



Axis of Rotation

 r_{min} (39.5 mm) r_{av} (65.7 mm) r_{max} (91.9 mm)

Fixed-Angle Rotor, Titanium

For use in instruments classified: HR S

Major applications: Differential centrifugation of subcellular fractions.

Max. RPM	Max. g	k Factor	Number of Tubes Volume/Size	Rotor Capacity
70 000	504 000	44	8 x 39 mL 1 x 3 1/2 in 25 x 89 mm	312 mL

No. **337922**. Type 70 Ti Rotor Assembly with 3 each 011757 O-rings, 3 each 870612 O-rings, and 2 each 335585 Overspeed Disks.

No. **348178**. Quick-Seal Tube Kit with 2 boxes 342414 Polypropylene Tubes, 2 boxes 344326 Ultra-Clear Tubes, 12 Spacers 342699, 1 each 348124 Tube Rack, 306812 Spinkote Lubricant, and 335148 Vacuum Grease. (Cordless Tube Topper Kit required; see Tools, Accessories, and Supplies.)

Tubes and Bottles

Tube Style/Material	Vol. (mL) g-Max	Part No.	Quantity	Size (mm)	Required Caps/ Spacers (qty. 1)	Required Adapters (qty. 1)	g-Force	k Factor	Max. Speed
OptiSeal Polypropylene	32.4	361625	56	25 x 77	361669 ^{††}	—	504 000	44	70 000
Quick-Seal	15.0	343664	50	25 x 38	343448	—	504 000	24	70 000
Polypropylene	15.0	357343 [‡]	50	25 x 38	343448	—	504 000	24	70 000
	27.0	343665	50	25 x 64	343448	—	504 000	31	70 000
	27.0	357346 [‡]	50	25 x 64	343448	—	504 000	31	70 000
	33.0	344623	50	25 x 83	344635	—	504 000	38	70 000
	39.0	342414	50	25 x 89	342699	—	504 000	44	70 000
Quick-Seal	15.0	344324	50	25 x 38	343448	—	504 000	24	70 000
Ultra-Clear	27.0	344323	50	25 x 64	343448	—	504 000	31	70 000
	39.0	344326	50	25 x 89	342699	—	504 000	44	70 000
Polycarbonate Bottle Assembly	26.3	355618	6	25 x 89	—	—	371 000	59	60 000
Thinwall	6.5	326820	50	13 x 64	346256	303392	102 000	69	45 000
Polypropylene	13.5	326814	50	16 x 76	330860	303307	151 000	104	40 000
	35.5	344367	50	25 x 83	337927	—	504 000	43	70 000
	38.5	326823	50	25 x 89	331151	—	371 000	59	60 000
Thickwall	4.0	355644	25	13 x 64	—	303392	102 000	69	45 000
Polypropylene	10.0	355640	25	16 x 76	338907 [†]	303307	151 000	104	40 000
	30.0	355642	25	25 x 89	338906 [†]	—	371 000	59	60 000
Thickwall	4.0	355645	25	13 x 64	—	303392	102 000	69	45 000
Polycarbonate	10.0	355630	25	16 x 76	338907 [†]	303307	151 000	104	40 000
	30.0	355631	25	25 x 89	338906 [†]	—	371 000	59	60 000
Ultra-Clear	6.5	344088	50	13 x 64	346256	303392	102 000	69	45 000
	13.5	344085	50	16 x 76	330860	303307	151 000	104	40 000
	38.5	344058	50	25 x 89	331151	—	371 000	59	60 000
Stainless Steel	38.5	301112	1	25 x 89	302133	—	165 000	135	40 000 ^{††}

Note: To help you locate g-Max tubes in the rotor listings, these tubes are highlighted with bold, italic type.

[‡] To simplify ordering, this g-Max Kit includes enough spacers to fill rotor, 50 tubes and required tools.

^{††} Set of 2.

[†] Caps are optional for these Thickwall tubes. In the Type 70 Ti, the filling level for 355642 and 355631 is 16.5 mL. For 355640 and 355630, the filling level is 7.5 mL. Maximum speeds for these open-top tubes without a cap: Polycarbonate—45 000 rpm. Polypropylene—20 000 rpm. These speeds are those which the tubes could withstand when tested at 25°C for 24 hours. Further tests have shown that the polycarbonate tube can run at 50 000 rpm for four hours.

^{††} For solution densities of 2.0 g/mL and below. For solution densities above 2.0 g/mL, further speed reductions are required. Refer to publication LS-TB-072 when centrifuging stainless steel tubes.

Rotor Replacement Parts

011757 O-ring for Rotor Handle
335585 Overspeed Disk, 70 000 rpm
337923 Rotor Lid
337924 Rotor Handle
870612 O-ring for Rotor Lid

Adapters/Spacers/Caps

303307 303392 330860 331151 337927 338906 338907 342699 343448 344635 346256 361669 302133

