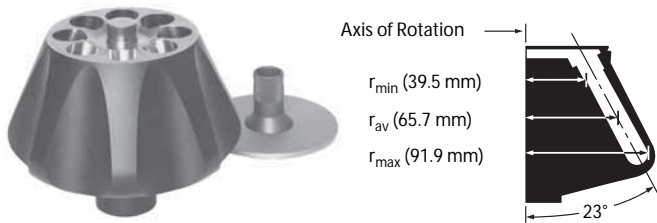


Type 70 Ti **BIOE**

8 x 39 mL

Type 70 Ti

**Fixed-Angle Rotor, Titanium**For use in instruments classified: **H R 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 Polyallomer 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.)

No. 348172. Open-Top Tube Kit with 4 boxes 344367 Polyallomer Tubes, 10 Tube Caps 337927, 1 Spinkote Lubricant 306812, and 1 Vacuum Grease 335148. (338841 and 305075 Tools required; see Tools, Accessories, and Supplies.)

No. 361662. OptiSeal Tube Kit with 4 boxes of OptiSeal Tubes 361625, 12 Spacers 361669 (6 pkg of 2), 1 OptiSeal Tube Rack 361646, 1 Tube Extraction Tool 361668, and 1 Spacer Removal Tool 338765.

Tubes and Bottles

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

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

^{SS} 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. Polyallomer—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 L5-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