



Type 70.1 Ti

12 x 13.5 mL

Type 70.1 Ti



Fixed-Angle Rotor, Titanium

For use in instruments classified: **H R S**

Major applications: Differential centrifugation of subcellular particles.

Max. RPM	Max. g	k Factor	Number of Tubes Volume/Size	Rotor Capacity
70 000	450 000	36	12 x 13.5 mL 5/8 x 3 in 16 x 76 mm	162 mL

No. 342184. Type 70.1 Ti Rotor Assembly with 3 each 011757 O-rings, 3 each 858125 O-rings, 2 each 335585 Overspeed Disks.

No. 348179. Quick-Seal® Tube Kit with 2 boxes 342413 Polyallomer Tubes, 2 boxes 344322 Ultra-Clear™ Tubes, 12 each 342695 Spacers, and 306812 Spinkote™ Lubricant, and 335148 Vacuum Grease. (Cordless Tube Topper Kit and Tube Rack required; see Tools, Accessories, and Supplies.)

No. 348180. Open-Top Tube Kit with 2 boxes 326814 Polyallomer Tubes, 2 each 344085 Ultra-Clear Tubes, and 12 each 341968 Tube Caps, and 1 each 306812 Spinkote Lubricant, and 335148 Vacuum Grease. (331202 and 305075 Tools required; see Tools, Accessories, and Supplies.)

No. 361660. OptiSeal™ Tube Kit with 4 boxes of OptiSeal Tubes 361623, 12 Spacers 361670 (6 pkg of 2), 1 OptiSeal Tube Rack 361642, 1 Tube Extraction Tool 361668, and 1 Spacer Removal Tool 338765.

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 Polyallomer	8.9	361623	56	16 x 60	361670*	—	450 000	32	70 000
Quick-Seal Polyallomer	4.2	356562	50	16 x 38	345828	—	450 000	17	70 000
	4.2	357332†	50	16 x 38	345828	—	450 000	17	70 000
	6.3	345830	50	16 x 45	345828	—	450 000	24	70 000
	6.3	357334†	50	16 x 45	345828	—	450 000	24	70 000
	10.0	344622	50	16 x 67	344676	—	450 000	34	70 000
	13.5	342413	50	16 x 76	342695	—	450 000	36	70 000
Quick-Seal Ultra-Clear	13.5	344322	50	16 x 76	342695	—	450 000	36	70 000
Polycarbonate Bottle Assembly	10.4	355603	6	16 x 76	—	—	388 000	42	65 000
	10.4	355651**	6	16 x 76	—	—	388 000	42	65 000
Thinwall Polyallomer	6.5	326820	50	13 x 64	346256	303313	212 000	60	50 000
	13.5	326814	50	16 x 76	341968	—	450 000	36	70 000
Thickwall Polyallomer	4.0	355644	25	13 x 64	—	303313	212 000	60	50 000‡
	10.0	355640	25	16 x 76	—	—	82 700	199	30 000‡
Thickwall Polycarbonate	4.0	355645	25	13 x 64	—	303313	212 000	60	50 000‡
	8.0	355630	25	16 x 76	—	—	230 000	71	50 000‡
Ultra-Clear	2.0	344091	50	8 x 49	303624	303376	138 000	63	40 000
	3.0	344092	50	13 x 32	346256	303401	143 000	51	45 000
	4.0	344093	50	13 x 41	346256	303402	152 000	58	45 000
	6.5	344088	50	13 x 64	346256	303313	212 000	60	50 000
	13.5	344085	50	16 x 76	341968	—	450 000	36	70 000

* Set of 2.

** Bottle only (see Rotor Instruction Manual for details).

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

‡ Maximum speeds given above are those which the tube could withstand when tested at 25°C for 24 hours. Further tests have shown that the polycarbonate tube can be run at 70 000 rpm for six hours or at 65 000 rpm for eight hours.

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

Rotor Replacement Parts

011757 O-ring for Rotor Handle
337924 Rotor Handle
335585 Overspeed Disk, 70 000 rpm
858125 O-ring for Rotor Lid
342183 Rotor Lid

Adapters/Spacers/Caps

303313 303376 303401 303402 303624 341968 342695 344676 345828 346256 361670

