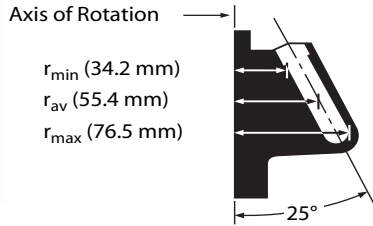


# Type 90 Ti

8 x 13.5 mL

# Type 90 Ti



### Fixed-Angle Rotor, Titanium

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

Major applications: Five-hour separation of plasmid DNA and rapid differential centrifugation of small particles.

Max. RPM	Max. g	k Factor	Number of Tubes Volume/Size	Rotor Capacity
90 000	694 000	25	8 x 13.5 mL 5/8 x 3 in 16 x 76 mm	108 mL

**No. 355530.** Type 90 Ti Rotor Assembly with 3 each 839347 O-rings, 3 each 876089 O-rings, 2 each 355539 Overspeed Disks, and 356959 Tool.

**No. 348179.** Quick-Seal® Tube Kit with 2 boxes 342413 Polyallomer Tubes, 2 boxes 344322 Ultra-Clear™ Tubes, 12 each 342695 Spacers, 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 boxes 344085 Ultra-Clear Tubes, 12 each 341968 Tube Caps, and 1 each 306812 Spinkote Lubricant, and 1 each 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) <i>g-Max</i>	Part No.	Quantity	Size (mm)	Required Caps/ Spacers (qty. 1)	Required Adapters (qty. 1)	g-Force	k Factor	Max. Speed
<b>OptiSeal Polyallomer</b>	8.9	361623	56	16 x 60	361670 <sup>a</sup>	—	694 000	21	90 000
<b>Quick-Seal Polyallomer</b>	<b>4.2</b>	356562	50	16 x 38	<b>345828</b>	—	694 000	11	90 000
	<b>4.2</b>	357332 <sup>b</sup>	50	16 x 38	<b>345828</b>	—	694 000	11	90 000
	<b>6.3</b>	345830	50	16 x 45	<b>345828</b>	—	694 000	14	90 000
	<b>6.3</b>	357334 <sup>b</sup>	50	16 x 45	<b>345828</b>	—	694 000	14	90 000
	<b>10.0</b>	344622	50	16 x 67	<b>344676</b>	—	694 000	21	90 000
	13.5	342413	50	16 x 76	342695	—	694 000	25	90 000
<b>Quick-Seal Ultra-Clear</b>	13.5	344322	50	16 x 76	342695	—	694 000	25	90 000
<b>Polycarbonate Bottle/Assembly</b>	10.4	355603 <sup>c</sup>	6	16 x 76	—	—	362 000	48	65 000
	10.4	355651 <sup>e</sup>	25	16 x 76	—	—	362 000	48	65 000
<b>Thinwall Polyallomer</b>	6.5	326820	50	13 x 64	346256	303313	197 000	69	50 000
	13.5	326814	50	16 x 76	341968	—	548 000	32	80 000
<b>Thickwall Polyallomer</b>	4.0	355644	25	13 x 64	—	303313	197 000	69	50 000
	10.0	355640	25	16 x 76	338907	—	77 000	190	30 000
<b>Thickwall Polycarbonate</b>	4.0	355645	25	13 x 64	—	303313	197 000	69	50 000 <sup>d</sup>
	10.0	355630	25	16 x 76	338907	—	197 000	69	50 000
<b>Ultra-Clear</b>	2.0	344091	50	8 x 49	303624	303376	128 000	72	40 000
	3.0	344092	50	13 x 32	346256	303401	129 000	59	45 000
	4.0	344093	50	13 x 41	346256	303402	138 000	67	45 000
	6.5	344088	50	13 x 64	346256	303313	197 000	69	50 000
	13.5	344085	50	16 x 76	341968	—	548 000	32	80 000

<sup>a</sup> Set of 2.

<sup>b</sup> To simplify ordering, this *g-Max*™ Kit includes enough spacers to fill rotor, 50 tubes, and required tools.

<sup>c</sup> Bottle assembly.

<sup>d</sup> Maximum speeds given above are those which the tubes could withstand when tested at 25°C for 24 hours. Further tests have shown that the polycarbonate tubes can run at 75 000 rpm for six hours or at 65 000 rpm for eight hours.

<sup>e</sup> Bottles only.

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

### Rotor Replacement Parts

- 355528 Lid
- 355529 Handle
- 355530 Rotor
- 355539 Overspeed Disk
- 356959 Tool, handle
- 839347 O Ring, Inner
- 876089 O Ring, Outer

### Adapters/Spacers/Caps

303313 303376 303401 303402 303624 338907 341968 346256 342695 344676 345828 361670

