

Swing-out rotor, 4-place

± 90°

n = 3,800 min⁻¹
max. RCF 3,196



illustrated with carriers 5651-A
and lids 5652
with bio-containment⁵⁾

Cat. No. (without carriers) **5654**

capacity in ml	3	4	4	5	6	7	10	10	15	1.1–1.4	2.6–3.4	2.7–3	4.5–5
Ø x L in mm	10x60	10x88	12x60	12x75	12x82	12x100	17x70	13x100	17x100	8x66	13x65	11x66	11x92
Cat. No.	-	-	-	0553²⁾	0501²⁾	0578²⁾	2079	-	0518²⁾	blood collection tubes			
lid with bio-containment ⁵⁾ Cat. No. 5652													
carrier Cat. No. 5651-A													
Cat. No.	5684			5682	5674	5685	5682	5684	5674	5684			5684
boring Ø x L in mm	12.5x40			17.2x46.5			13.2x42.4	17.2x46.5	12.5x40	13.2x42.4	12.5x40		
tubes per rotor	292			148			196	188	148	292	196		292
max. RCF ²⁾	2,874			2,970			2,906		2,970	2,874	2,906		2,874
radius in mm	178			184			180		184	178	180		178
run-up in sec	61												
run-down in sec, braked	57												
temperature in °C ¹⁾	0												

capacity in ml	4–5.5	4.9	7.5–8.5	9–10	10	1.6–5	4–7	4–7	8.5–10	10	5	15	50
Ø x L in mm	15x75	13x90	15x92	16x92	15x102	13x75	16x75	13x100	16x100	16x80	17x59	17x120	29x115
Cat. No.	blood collection / urine tubes										-	0509	0513
lid with bio-containment ⁵⁾ Cat. No. 5652													
carrier Cat. No. 5651-A													
Cat. No.	5682	5674	5682	5674	5682	5674	5685	5682	5688	5683	5686		
boring Ø x L in mm	17.2x46.5	13.2x42.4	17.2x46.5		13.2x42.4		17.2x46.5	13.2x42.4	17.2x46.5		17x42	17x60	30x60
tubes per rotor	148	196	148		196		148	196	148		80	96	40
max. RCF ²⁾	2,970	2,906	2,970		2,906		2,970	2,906	2,970		3,196	3,196	3,196
radius in mm	184	180	184		180		184	180	184		198	198	198
run-up in sec	61												
run-down in sec, braked	57												
temperature in °C ¹⁾	0												

¹⁾ Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.

²⁾ Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote ²⁾ is 4,000.

³⁾ When using these tubes, carrier 5651-A cannot be closed with lid 5652.



illustrated with carriers 5651-A
and lids 5652
with bio-containment⁵⁾

Swing-out rotor 5654

capacity in ml	175	175	200	225	250	290	450	500	600	650	750
Ø x L in mm	61x118	62x144	60x130	61x137	61x122	62x137	97x113	96x147	93x134	97x139	97x152
Cat. No.	Falcon®	Nalgene®	Nunc®	Falcon®	5127^{2B)}	-^{2B)}	4447	Corning®	0551^{2B)}	0554^{2B)}	0512^{2B)}
lid with bio-containment ⁵⁾ Cat. No. 5652											
carrier Cat. No. 5651-A	+ 5677 	+ 5676 	+ 5677 				+ 4449 				
Cat. No.	5681						5687				
boring Ø x L in mm	62x100						98x100				
tubes per rotor	8						4				
max. RCF ²⁾							3,196				
radius in mm							198				
run-up in sec							61				
run-down in sec, braked							57				
temperature in °C ¹⁾							0				

DxWxH in mm	86x128x15	86x128x17.5	86x128x22	86x128x44.5	86x128x46	86x128x83	59x84x11	82x124x20	-	
capacity in ml	-									0,2
Cat. No.	MTP		CP	DWP	MS	QP	Microtest plate (Terasaki)	PCR plate, 96 wells	PCR strips	
lid with bio-containment ⁵⁾ Cat. No. 5629										
carrier Cat. No. 5653										
Cat. No.	4626						4626 + 1485			
boring Ø x L in mm	-									
plates/strips per rotor	24	20	16	4	4	4	8	4	48x8	
max. RCF ²⁾										2,890
radius in mm										max. 179
run-up in sec										61
run-down in sec, braked										57
temperature in °C ¹⁾										-4

⁵⁾ Tested by the TÜV in conformity with DIN EN 61010, section 2-020.

^{2B)} At temperatures of over +40 °C and/or when not filled to capacity, bottles may warp during centrifugation.

Swing-out rotor, 4-place

± 90°

n = 4,000 min⁻¹
max. RCF 3,095

illustrated with carriers 5051
and lids 5053

Cat. No. (without carriers) **5694**

capacity in ml	1.5	2.0	1.5	2.0	5	6	7	9	15	25	50	100	100	1.1–1.4	2.6–3.4	2.7–3	4–5.5	
Ø x L in mm	11x38		11x38		12x75	12x82	12x100	14x100	17x100	24x100	34x100	44x100	40x115	8x66	13x65	11x66	15x75	
Cat. No.	-	-	2078	0536	0553²⁾	0501²⁾	0578²⁾	0500²⁾	0518²⁾	0519²⁾	0521²⁾	0526²⁾	0523²⁾	blood collection tubes				
lid Cat. No. 5053																		
carrier Cat. No. 5051																		
Cat. No.	5257	5281	5227	5247¹⁾	5264	5248¹⁾	5242	5243	5262	5249	5267	5268	5227	5264				
boring Ø x L in mm	12.5x42	11.5x50	12.5x42	12.5x86	16x50	17.5x86	26x86	36x86	45.5x86	42x86	11x44	13.5x52	12.5x42	16x50				
tubes per rotor	160	64	80	80	48	48	20	8	4	80	48	80	48					
max. RCF ²⁾ upper/lower	1,950/2,826	2,826	2,773	2,755	2,773	2,755	2,755	2,755	2,737	2,808	2,773							
radius in mm upper/lower	109/158	158	155	154	155	154	154	154	153	157	155							
run-up in sec	42																	
run-down in sec, braked	51																	
temperature in °C ¹⁾	-3																	

capacity in ml	4.5–5	4.9	7.5–8.5	9–10	10	1.6–5	4–7	4–7	8.5–10	15	50	12	30	50	two-tier frame for cyto accessories	
Ø x L in mm	11x92	13x90	15x92	16x92	15x102	13x75	16x75	13x100	16x100	17x120	29x115	17x100	25x110	29x115		
Cat. No.	blood collection/urine tubes										0509	0513	-	-	cyto chambers²⁾	
lid Cat. No. 5053																
carrier Cat. No. 5051																
Cat. No.	5227	5268	5264	5258	5268	5264	6301	5248	6306	5259	6306	5266	5243	5280		
boring Ø x L in mm	12.5x42	13.5x52	16x50	17.6x86	13.5x52	16x50	13.5x86	17.5x86	17x90	30x86	17x90	26x86	36x86	-		
tubes per rotor	80	48	48	44	48			28	8	28	20	8	8			
max. RCF ²⁾ upper/lower	2,773	2,808	2,773	2,755	2,808	2,773	2,755	2,898	2,826	2,898	2,755	1,735/2,737				
radius in mm upper/lower	155	157	155	154	157	155	154	162	158	162	154	97/153				
run-up in sec	42															
run-down in sec, braked	51															
temperature in °C ¹⁾	-3															

¹⁾ Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.

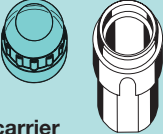






















²⁾ Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote ²⁾ is 4,000.

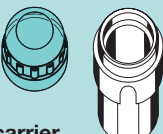





















³⁾ When using these tubes, carrier 5051 resp. 5092 cannot be closed with lid 5053 resp. 5093.



illustrated with carriers 5092

Swing-out rotor 5694

capacity in ml	5	6	7	10	15	25	50	100	100	250	1.1–1.4	1.1–1.4	2.6–3.4
Ø x L in mm	12x75	12x82	12x100	17x70	17x100	24x100	34x100	44x100	40x115	65x115	8x66	8x66	13x65
Cat. No.	0553²⁾	0501²⁾	0578²⁾	2079	0518²⁾	0519²⁾	0521²⁾	0526²⁾	0523²⁾	0530²⁾	blood collection tubes		
lid with bio-containment ⁵⁾ Cat. No. 5093 													
													
carrier Cat. No. 5092	5128	5120	5136	5122	5124	5125	5126	1791	5137	5138	5137	5137	
boring Ø x L in mm	12.8x45	12.8x82	17.5x60.7	25.5x82	35.5x82.5	45.5x85	42x85	66x103	13.5x60.7	12.8x54.5	13.5x60.7		
tubes per rotor	48		32		16		4		32		48	32	
max. RCF ²⁾	3,005		2,952		2,898		2,952		3,095		2,952	2,540	2,952
radius in mm	168		165		162		165		173		165	142	165
run-up in sec	42												
run-down in sec, braked	51												
temperature in °C ¹⁾	-3												

capacity in ml	2.6–3.4	2.7–3	2.7–3	4–5.5	4.5–5	4.9	7.5–8.5	9–10	10	1.6–5	1.6–5	4–7
Ø x L in mm	13x65	11x66	11x66	15x75	11x92	13x90	15x92	16x92	15x102	13x75	13x75	13x100
Cat. No.	blood collection / urine tubes											
lid with bio-containment ⁵⁾ Cat. No. 5093 												
												
carrier Cat. No. 5092	5138	5137	5138	5136	5120	5137	5136	5136	5137	5138	5138	5120
boring Ø x L in mm	12.8x54.5	13.5x60.7	12.8x54.5	17.5x60.7	12.8x82	13.5x60.7	17.5x60.7		13.5x60.7	12.8x54.5	12.8x82	
tubes per rotor	48	32	48	32	48	32		32		48	48	
max. RCF ²⁾	2,540	2,952	2,540	2,952	3,005	2,952		2,952		2,540	3,005	
radius in mm	142	165	142	165	168	165		165		142	168	
run-up in sec	42											
run-down in sec, braked	51											
temperature in °C ¹⁾	-3											

⁵⁾ Tested by the TÜV in conformity with DIN EN 61010, section 2-020.

¹⁸⁾ With Cat. No. 5247-91 or 5248-91 these adapters can also be ordered with a decanting aid.

²³⁾ Please ask for our detailed cyto brochure.



illustrated with carriers 5092

Swing-out rotor 5694

capacity in ml	4-7	8	8.5-10	15	50	12	25	30	50	10	250	290
Ø x L in mm	16x75	16 x 125	16x100	17x120	29x115	17x100	25x90	25x110	29x115	16x80	61x122	62x137
Cat. No.	blood collection tubes			0509	0513	-					5127^{2B)}	-^{2B)}
lid with bio-containment ⁵⁾ Cat. No. 5093												
carrier Cat. No. 5092												
Cat. No.	5136	5121⁴⁾	5136	5129	5123	5121	5134	5122	5135	5136	6319	
boring Ø x L in mm	17.5x60.7	17.5x82	17.5x60.7	17x85	30x85	17.5x82	26x73	25.5x82	30x99	17.5x60.7	66x103	
tubes per rotor	32	28	32	28	8	28	12	16	8	32	4	
max. RCF ²⁾	2,952	3,059	2,952	3,095		3,005	2,826	2,898	3,023	2,952	3,095	
radius in mm	165	171	165	173		168	158	162	169	165	173	
run-up in sec	42											
run-down in sec, braked	51											
temperature in °C ¹⁾	-3											

1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

3) When using these tubes, carrier 5092 resp. 5051 cannot be closed with lid 5093 resp. 5053.

4) Please remove the inserts.