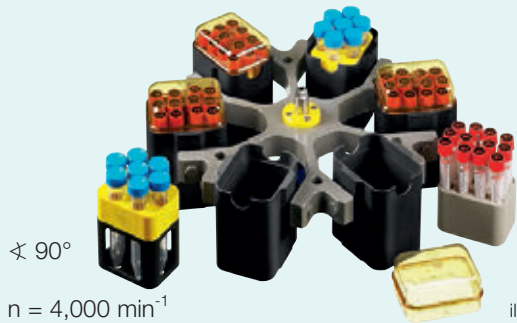


Swing-out rotor, 6-place



∠ 90°

n = 4,000 min⁻¹
max. RCF 3,631

illustrated with carriers 5051

Cat. No. (without carriers) **4446**

| capacity in ml | 1.5 | 2.0 | 1.5 | 2.0 | 3 | 5 | 6 | 7 | 9 | 15 | 25 | 50 | 100 | 100 | 1.1–1.4 | 2.6–3.4 | 2.7–3 |
|------------------------------------|-------------|-------------|-------------|-------------|---------------------------|--------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------|-------|
| Ø x L in mm | 11x38 | | 11x38 | | 10x60 | 12x75 | 12x82 | 12x100 | 14x100 | 17x100 | 24x100 | 34x100 | 44x100 | 40x115 | 8x66 | 13x65 | 11x66 |
| Cat. No. | - | - | 2078 | 0536 | - | 0553²⁾ | 0501²⁾ | 0578²⁾ | 0500²⁾ | 0518²⁾ | 0519²⁾ | 0521²⁾ | 0526²⁾ | 0523²⁾ | blood/urine tubes | | |
| lid Cat. No. 5053 | | | | | | | | | | | | | | | | | |
| carrier Cat. No. 5051 | | | | | | | | | | | | | | | | | |
| Cat. No. | 5257 | 5281 | 5267 | 5227 | 5247¹⁸⁾ | 5264 | 5248¹⁸⁾ | 5242 | 5243 | 5262 | 5249 | 5267 | 5268 | 5227 | | | |
| boring Ø x L in mm | 12.5x42 | 11.5x50 | 11x44 | 12.5x42 | 12.5x86 | 16x50 | 17.5x86 | 26x86 | 36x86 | 45.5x86 | 42x86 | 11x44 | 13.5x52 | 12.5x42 | | | |
| tubes per rotor | 240 | 96 | 120 | 120 | 120 | 72 | 72 | 30 | 12 | 6 | 6 | 120 | 72 | 120 | | | |
| max. RCF ²⁾ upper/lower | 2,486/3,363 | | 3,363 | 3,274 | 3,309 | 3,291 | 3,309 | 3,291 | | | | 3,274 | 3,345 | 3,309 | | | |
| radius in mm upper/lower | 139/188 | 188 | 183 | 185 | 184 | 185 | 184 | | | | 183 | 187 | 185 | | | | |
| run-up in sec | | | | | | | | | | | | | | | 45 | | |
| run-down in sec, braked | | | | | | | | | | | | | | | 55 | | |
| temperature in °C ¹⁾ | | | | | | | | | | | | | | | 0 | | |

| capacity in ml | 4–5.5 | 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 | 15x75 | 11x92 | 13x90 | 15x92 | 16x92 | 15x102 | 13x75 | 16x75 | 13x100 | 16x100 | 17x120 | 29x115 | 17x100 | 25x110 | 29x115 | | |
| Cat. No. | blood collection/urine tubes | | | | | | | | | | | 0509 | 0513 | - | - | cyto chambers²³⁾ | |
| lid Cat. No. 5053 | | | | | | | | | | | | | | | | | |
| carrier Cat. No. 5051 | | | | | | | | | | | | | | | | | |
| Cat. No. | 5264 | 5227 | 5268 | 5264 | 5258 | 5268 | 5264 | 5268 | 5248 | 6306 | 5259 | 6306 | 5266 | 5243 | 5280 | | |
| boring Ø x L in mm | 16x50 | 12.5x42 | 13.5x52 | 16x50 | 17.6x86 | 13.5x52 | 16x50 | 13.5x52 | 17.5x86 | 17x90 | 30x86 | 17x90 | 26x86 | 36x86 | - | | |
| tubes per rotor | 72 | 120 | 72 | 72 | 66 | 72 | | | | 42 | 12 | 42 | 30 | 12 | 12 | | |
| max. RCF ²⁾ upper/lower | 3,309 | 3,309 | 3,345 | 3,309 | 3,291 | 3,345 | 3,309 | 3,345 | 3,291 | 3,434 | 3,363 | 3,434 | 3,291 | 3,291 | 2,290/3,291 | | |
| radius in mm upper/lower | 185 | 185 | 187 | 185 | 184 | 187 | 185 | 187 | 184 | 192 | 188 | 192 | 184 | 184 | 128/184 | | |
| run-up in sec | | | | | | | | | | | | | | | 45 | | |
| run-down in sec, braked | | | | | | | | | | | | | | | 55 | | |
| temperature in °C ¹⁾ | | | | | | | | | | | | | | | 0 | | |

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.

²⁸⁾ At temperatures of over +40 °C and/or when not filled to capacity, bottles may warp during centrifugation.



illustrated with carriers 5092
and lids 5093
with bio-containment⁵⁾

Swing-out rotor 4446

| | | | | | | | | | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------|-------------|-------------|
| 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 | | | | | | | | | | | | | |
| Cat. No. | 5128 | 5120 | 5136 | 5122 | 5124 | 5125 | 5126 | 1791 | 5137 | 5138 | 5137 | 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 | 13.5x60.7 | 13.5x60.7 |
| tubes per rotor | 72 | | 48 | | 24 | | 6 | | 6 | | 48 | 72 | 48 |
| max. RCF ²⁾ | 3,542 | | 3,488 | | 3,434 | | 3,488 | | 3,631 | | 3,488 | 3,077 | 3,488 |
| radius in mm | 198 | | 195 | | 192 | | 195 | | 203 | | 195 | 172 | 195 |
| run-up in sec | 45 | | | | | | | | | | | | |
| run-down in sec, braked | 55 | | | | | | | | | | | | |
| temperature in °C ¹⁾ | 0 | | | | | | | | | | | | |












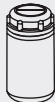












| | | | | | | | | | | | | |
|---|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| capacity in ml | 2.6–3.4 | 2.7–3 | 2.7–3 | 4.9 | 4–5.5 | 4.5–5 | 7.5–8.5 | 9–10 | 10 | 1.6–5 | 1.6–5 | 4–7 |
| Ø x L in mm | 13x65 | 11x66 | 11x66 | 13x90 | 15x75 | 11x92 | 15x92 | 16x92 | 15x102 | 13x75 | 13x75 | 13x100 |
| Cat. No. | blood collection/urine tubes | | | | | | | | | | | |
| lid with bio-containment ⁵⁾ Cat. No. 5093 | | | | | | | | | | | | |
| carrier Cat. No. 5092 | | | | | | | | | | | | |
| Cat. No. | 5138 | 5137 | 5138 | 5137 | 5136 | 5120 | 5136 | 5136 | 5136 | 5137 | 5138 | 5120 |
| boring Ø x L in mm | 12.8x54.5 | 13.5x60.7 | 12.8x54.5 | 13.5x60.7 | 17.5x60.7 | 12.8x82 | 17.5x60.7 | 17.5x60.7 | 17.5x60.7 | 13.5x60.7 | 12.8x54.5 | 12.8x82 |
| tubes per rotor | 72 | 48 | 72 | 48 | | 72 | 48 | | | 72 | | 72 |
| max. RCF ²⁾ | 3,077 | 3,488 | 3,077 | 3,488 | | 3,542 | 3,488 | | | 3,077 | | 3,542 |
| radius in mm | 172 | 195 | 172 | 195 | | 198 | 195 | | | 172 | | 198 |
| run-up in sec | 45 | | | | | | | | | | | |
| run-down in sec, braked | 55 | | | | | | | | | | | |
| 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 5092 cannot be closed with lid 5093.

Swing-out rotor 4446

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| capacity in ml | 4-7 | 8 | 8.5-10 | 15 | 50 | 12 | 25 | 30 | 50 | 10 | 250 | 290 |
| Ø x L in mm | 16x75 | 16x125 | 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 | 5121 | 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 | 48 | 42 | 48 | 42 | 12 | 42 | 18 | 24 | 12 | 48 | 6 | |
| max. RCF ²⁾ | 3,488 | 3,542 | 3,488 | 3,631 | | 3,542 | 3,363 | 3,434 | 3,560 | 3,488 | 3,631 | |
| radius in mm | 195 | 198 | 195 | 203 | | 198 | 188 | 192 | 199 | 195 | 203 | |
| run-up in sec | 45 | | | | | | | | | | | |
| run-down in sec, braked | 55 | | | | | | | | | | | |
| temperature in °C ¹⁾ | 0 | | | | | | | | | | | |

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.