

Welcome to the Future of Small Prime Centrifuges

In the past, manufacturers have offered limited rotor availability to Small Centrifuges.

Not anymore.

Centurion Scientific Ltd are evolving the marketplace and have introduced for you **Small Centrifuge Prime**.

A Small Centrifuge that offers:

| | | |
|---|--|----------|
| 1 | Micro rotors. 0.2, 0.4, 0.5, 1.5, 2.0, 2.2ml & PCR 15,000Rpm and 22,000 Rcf (G) max | Capacity |
| 2 | Haematocrit rotor Capillary and 2.0ml tubes 12,000Rpm and 13,500 Rcf(G) max | Capacity |
| 3 | Fixed angle rotors 15 & 50ml tube (reducers available) 6,000Rpm and 4,800 Rcf (G) max | Capacity |
| 4 | Swing out rotor 0.5 to 100ml tube (adaptors available) 4,000Rpm and 2,200 Rcf (G) max | Capacity |
| 5 | Cytology rotor. 3 types 4, 8 or 12 place (Double holder) 2,000Rpm and 550 Rcf (G) max | Capacity |



Display indicative only

The following pages show available rotors.

CR2000 Small Prime Centrifuge

CR2000. (230V 50/60Hz). 1.CR2000. (110V 60Hz)

Speed 500-15,000 Rpm (10 Rpm steps)

Rcf Max 22,000 G

Timer 0-99 Mins & Hold (30 sec steps)

Dims HWD 275 x 325 x 470mm

Weight 21.8 Kg (without rotor)

Power 175 Watts

Memory 10 programs

Accel rates 10 programs

Decel rates 10 programs

Microtube Rotors 15,000 Rpm



With NEW
high Domed
polycarbonate
lid



| Rotor | BRK5424 | BRK5436 | BRK5448 | BRK5494 |
|--------------------------|------------|------------|------------|----------------|
| Rotor type | 24 x 2ml | 36 x 0.5ml | 48 x 0.2ml | 4 x PCR Strips |
| Tube size max | 11 x 50mm | 8 x 30mm | 6 x 40mm | 6 x 40mm |
| Minimum Speed Rpm | 500 | 500 | 500 | 500 |
| Maximum Speed Rpm | 15,000 | 15,000 | 15,000 | 15,000 |
| Maximum Rcf (G) | 22,000 | 22,000 | 22,000 | 22,000 |
| Radius max cms | 8.5 | 8.5 | 8.5 | 8.5 |
| Sample tube angle (°) | 45 | 45 | 45 | 45 |
| Acceleration time (secs) | 25 | 25 | 25 | 25 |
| Deceleration time (secs) | 25 | 25 | 25 | 25 |
| Autoclavable (frequency) | 121°C (10) | 121°C (10) | 121°C (10) | 121°C (10) |

Refrigerated Centrifuges Only

| | | | | |
|---|-----|-----|-----|-----|
| Minimum Temperature | 4°C | 4°C | 4°C | 4°C |
| At maximum speed (relative to room temperature at 23°C) | | | | |

Reducers

(Pack of 24)



| Rotor | BRK5424 |
|---------------|-------------------|
| Part number | RS04 (0.2 -0.4ml) |
| Tube size max | 6 x 30mm |
| Part number | RS05 (0.5ml) |
| Tube size max | 8 x 30mm |

Haematocrit Rotor 12,000 Rpm



| Rotor | BRK5401 |
|--------------------------|---------------------------|
| Rotor type | 24 x capillary & 12 x 2ml |
| Tube size max | 2 x 75mm & 11 x 40mm |
| Minimum Speed Rpm | 500 |
| Maximum Speed Rpm | 12,000 |
| Maximum Rcf (G) | 13,500 |
| Radius max cms | 8.5 |
| Sample tube angle (°) | 0 & 60 |
| Acceleration time (secs) | 30 |
| Deceleration time (secs) | 30 |
| Autoclavable (frequency) | 121°C (10) |

Large Fixed Angle Rotors 6,000 Rpm



| Rotor | BRK5324 | BRK5308 |
|--------------------------|------------|------------|
| Rotor type | 24 x 15ml | 8 x 50ml |
| Size max | 17 x 120mm | 30 x 120mm |
| Minimum speed Rpm | 500 | 500 |
| Maximum speed Rpm | 6,000 | 6,000 |
| Maximum Rcf (G) | 4,800 | 4,800 |
| Radius max cms | 12 | 12 |
| Sample tube angle ° | 30 | 30 |
| Acceleration time (secs) | 35 | 35 |
| Deceleration time (secs) | 35 | 35 |
| Autoclavable (frequency) | 121°C (20) | 121°C (20) |

Refrigerated Centrifuges Only

| | | |
|---|-----|-----|
| Minimum Temperature | 4°C | 4°C |
| At maximum speed (relative to room temperature at 23°C) | | |

Reducers

(Pack of 4)



| Rotor | BRK5324 | BRK5308 |
|---------------|-------------|-------------|
| Part number | RM05 (5ml) | RM15 (15ml) |
| Tube size max | 13 x 80mm | 17 x 120mm |
| Part number | RM10 (10ml) | RM25 (25ml) |
| Tube size max | 13 x 100mm | 25 x 100mm |

Swing Out Rotor - 400ml max



BRK1000 Swing out Rotor

Shown with B5010 Buckets and sealed lids B5419

| | |
|----------------------|---------------------|
| Rotor / buckets | BRK1010 |
| Tube size max | 45 x 100mm |
| Minimum speed | 500Rpm |
| Maximum speed | 4000Rpm |
| Maximum Rcf(G) | 2200 |
| Radius max | 12.5cm |
| Tube angle | 0 degree |
| Acceleration time | 25 seconds |
| Deceleration time | 25 seconds |
| Autoclavable (times) | 121C (20) |
| Minimum Temperature | 4C (at 23C ambient) |

B5010 bucket (set 4) REQUIRED
100ml max per bucket



Adaptors for Swing out rotors

| Capacity | Size | To fit buckets B5100 | |
|--|--------|----------------------|-----------------|
| | | Part No. | Tubes per rotor |
| Tube type: Micro with cap Shape: point | | | |
| 0.5ml | 8x20 | AM405 | 36 |
| 1.5ml | 11x38 | AM420 | 24 |
| 2.0ml | 11x38 | AM420 | 24 |
| 0.2ml | 6x20 | AM402 | 36 |
| 0.4ml | 6x30 | AM404 | 36 |
| Tube type: Plain no cap Shape: round | | | |
| 1ml | 6x45 | AR401 | 36 |
| 3ml | 10x60 | AR403 | 28 |
| 5ml | 12x75 | AR405* | 28 |
| 6ml | 12x82 | AR405* | 28 |
| 7ml | 12x100 | AR407* | 28 |
| 9/10ml | 14x100 | AR409* | 24 |
| 15ml | 17x100 | AR415* | 8 |
| 25ml | 24x100 | AR425* | 8 |
| 50ml | 34x100 | AR450* | 4 |
| 100ml | 45x100 | AR4100* | 4 |
| 150ml | 52x100 | N/A | |
| 250ml | 62x100 | N/A | |
| Tube type: Falcon with cap Shape: point | | | |
| 15ml | 17x120 | AF415* | 8 |
| 50ml | 29x115 | AF450* | 4 |
| 175ml | 61x118 | N/A | |
| 15ml | 17x120 | N/A | |
| Tube type: Corning with cap* Shape: point | | | |
| 250ml | 60x172 | See K242/R | |
| 500ml | 98x148 | See K242/R | |
| Tube type: Falcon with cap Shape: square | | | |
| 12ml | 17x100 | AFS412 | 8 |
| 25ml | 25x90 | AFS425 | 4 |
| 30ml | 25x110 | AFS430 | 4 |
| 50ml | 29x115 | AFS450* | 4 |
| 15ml | 17x120 | N/A | N/A |
| Tube type: Nalgene/Oakridge Shape: round | | | |
| 10ml | 16x80 | ANO410* | 8 |
| 30ml | 26x95 | ANO430* | 4 |
| 50ml | 29x107 | ANO450 | 4 |
| 100ml | 38x106 | ANO485 | 4 |
| Tube type: Nalgene/Oakridge* Shape: flat | | | |
| 250ml | 62x130 | See K241/R | |
| 750ml | 98x153 | See K243/R | |
| Tube type: Monovette Shape: square | | | |
| 1.1-1.4ml | 8x82 | AM4014 | 24 |
| 2.7-3ml | 11x82 | AM403 | 24 |
| 2.6-2.9ml | 13x81 | AM429 | 24 |
| 4.5-5ml | 11x108 | AM403* | 24 |
| 7.5-8.2ml | 13x106 | AM479* | 24 |
| 4.5-5ml | 15x92 | AM450* | 20 |
| 9-10ml | 16x108 | AM490* | 20 |
| Tube type: Vacutainer Shape: round | | | |
| 1.6-5ml | 13x75 | AV416* | 24 |
| 4-7ml | 13x100 | AV450* | 16 |
| 8.5-10ml | 16x100 | AV480* | 12 |

Swing out Rotor - 8 x 10ml Max



Including 8 buckets

Rotor

BRK5508M

| | |
|--------------------------|------------|
| Rotor type | 8 x 10ml |
| Tube size max | 15 x 115mm |
| Minimum Speed Rpm | 500 Rpm |
| Maximum Speed Rpm | 4,000 Rpm |
| Maximum Rcf (G) | 2200 |
| Radius max cms | 12.3 |
| Sample tube angle (°) | 0 |
| Acceleration time (secs) | 20 |
| Deceleration time (secs) | 20 |
| Autoclavable (frequency) | 121°C (20) |



10ml

Cytology Rotor's available

Using centrifugal force to separate and deposit a monolayer of cells onto slides whilst maintaining integrity within a clearly defined area FROM ANY FLUID MATRIX. Cyto centrifugation also constructively flattens cells for excellent nuclear presentation.

Applications include Cytology, Histology, Haematology, Oncology, Immunochemistry, Serology and Microbiology.

Offering samples from 0.1ml to 6ml and an extensive range of accessories we have your Cytology needs covered.



| Rotor | 4420 | 4430 | 4460 |
|--------------------------|------------------|------------------|------------------|
| Rotor type | 4 x 0.2 to 6ml | 8 x 0.2 to 6ml | 12 x 0.2 to 6ml |
| Tube size max | Single or double | Single or double | Single or double |
| Minimum speed Rpm | 200 | 200 | 200 |
| Maximum speed Rpm | 2,000 | 2,000 | 2,000 |
| Maximum Rcf (G) | 550 | 550 | 550 |
| Radius max cms | 12 | 12 | 12 |
| Sample tube angle ° | 0 | 0 | 0 |
| Acceleration time (secs) | 25 | 25 | 25 |
| Deceleration time (secs) | 25 | 25 | 25 |
| Autoclavable (frequency) | 121°C (20) | 121°C (20) | 121°C (20) |

Cytology rotor includes Rotor, Sealed Lid, Clips, 24 holders with filter card & 100 slides



Pack of 24

4446

Double sample holder with card (up to 1ml)



Pack of 24

4444

Single sample holder with card (up to 1ml)



Pack of 24

4600

Double sample holder with card (up to 6ml)



Each

4462

Stainless steel clips



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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

