

PrO-Sep

By Centurion Scientific Ltd



**25 years of
Excellence**

Benchtop Centrifuges

The Pro-Sep Range

Our Pro-Sep range are compact and practical centrifuges for small, medium and large sample volumes, the largest in this range being our 3 litre machine.

They are versatile, multi purpose and cost effective yet still benefiting from the superb build quality and engineering of our research series.

The range includes high-performance microcentrifuges, high speed and general purpose centrifuges.

Centurion centrifuges, with their applications-oriented accessories, are proven favorites in clinical, molecular biology, cell biology and small medical laboratories. Our compact, ergonomic design: smaller dimensions, ergonomic height and curved features ensure comfortable and efficient workspace.

Our Centrifuges deliver optimum performance in compact units, designed for ease of use. Quiet (below 60Db, rotor dependant) with low heat operation noise levels have been reduced while maintaining sample integrity with good airflow on our ambient models and fantastic temperature control on our refrigerated models. New design and working features for 2014

Performance and safety are top of our agenda, tight operational control is maintained by the microprocessor. An imbalance sensor is incorporated into the control loop to bring to a controlled stop of the centrifuge in the case of a tube rupture or incorrect loading.

Centurion centrifuges have been an industry standard for quality and reliability for 25 years, our centrifuges can be relied upon to deliver safe, reproducible and trouble-free results for many years.

Warranty 3 years for 2014 models

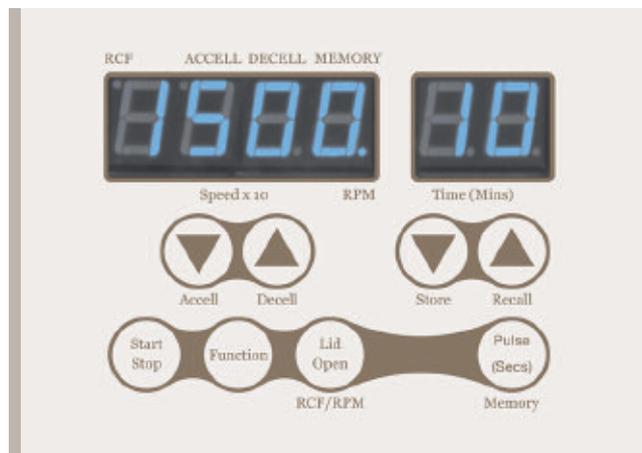
Centurion brand centrifugation products are part of a dedicated range of products and services designed to provide you with quality equipment and support.

Choosing The Right Centrifuge

A centrifuge is a critical piece of equipment. Therefore, when the time comes to add new centrifuges or replace old models, it is important to make an informed decision. Bringing together technological and design excellence, Centurion have paved the way for a new generation of centrifuges.

Centurion Scientific Ltd

PrO-Sep Centrifuges



Built to last, strong construction yet offering a sleek modern design that will fit into any modern laboratory.

No compromises on quality, only the best components are used in the manufacturing process.

By working with all our suppliers, our reliability has been retained and improved to give all our range a **3 year warranty** as standard.



CE marked and ISO 9001 regulated and now IVD certified too

User features to PrO-Sep	Advantages
Bright blue LED display	Clarity & ease of use
Rotor recognition LLR, HL/R only	Safe selection of rotors
10 acceleration rates 10 deceleration rates	Sample assistance
10 memory	Multi users
Timer 0-99 minutes & Hold in 30 second increments	Total flexibility
Pulse short run	Fast pelleting
Run in Speed (Rpm) or Rcf (G) in 10 Rpm increments	Accuracy
Sound <60Db (rotor dependant)	Quiet
Orientation acceleration rate	Prevents initial sample side deposits
Refrigerated models PID controlled	Accuracy

Standard to PrO-Sep	Advantages
Extra thick Stainless steel bowl	Easy clean & rust free
Port to lid	Tachometer speed certification
Alloy & steel frame with composite's	Strong light & quiet
World leading Industrial grade Inverter	Reliability & strength
Best Quality European Brushless motor	Quiet, cool & reliable
High technology airflow (ambient models)	Cooler running
All centrifuges have user accessible service sections to access all safety parameters	

Safety features to PrO-Sep	Advantages
Multi point lid locking	Lid safety & ease
Emergency lid release	Power failure release
Lid gas struts	Lid dropping safety
Lid lock detection	To run Lid must be shut
Imbalance detection	Easy "eye" volume loading
Overspeed Sensor	Safe detection of speed
Set inverter values	Electronic safety of speed
Barrier ring	Extra metal protection of chamber
Motor overheat sensor	Safe motor protection

Centurion Scientific Ltd centrifuges comply to all relevant EU standards for Quality and medical Devices IEC 61010 and CE conformity test marks Emission, immunity to EN/IEC 61326-1, Class B

PrO-Sep range.

Designed with the Clinicians, we offer state of the art centrifuges for Clinical laboratories.

Derived from our LED and LCD range, but with emphasis on Clinical needs. The rotor range offered has Blood, Urine, Faeces and other bodily areas as priority.

For Cytology or Histology needs, please see our PrO-Cyt range.

If you have or find different requirements, please call and we can evaluate use of rotors from our other available ranges

Ambient

Designed to keep sample heating to a minimum, our **"Through flow air system"** is unsurpassed. Thus keeping not only the samples cool, but the motor too, allowing , if necessary, long run times. Feature count is the best for your various needs

Refrigeration

Our Latest **"Dynamic efficiency control system"** derived from our long running LCD series is now available to meet the needs of the market.

Our aim with all our Refrigeration Systems was to reduce power by 25% and was easily achieved. New thicker Stainless bowls and improved Heat exchanger, with larger, yet more efficient Compressors and condensers.

Our control is unsurpassed, by using bypass hot gas, against its own cooling we can control to levels beyond our competitors, who simply switch the fridge on and off. A new, next generation PID control software system adds to the control too. A body redesign has resulted in a simple access panel, should any Mains voltage control parts need servicing.

Rotors

We are aware of the needs of longevity and the need for corrosive or chemical resistance is paramount. **NOTE** all bowls in the Centrifuges are Stainless steel (Salt saturation tested)

To this end our Fixed angle rotors are CNC machined from Polypropylene as are the adaptors. Giving the best strength and chemical resistance for your needs.

Other Swing out rotors and High speed rotors are made from Aircraft grade high strength Aluminium and then double anodised for protection.

As a manufacturer we are aware of your different needs, if you have such requests. Please call us, If possible we can specialise or add a rotor from another range to assist.

From the start of 2014 all Centrifuges and rotors carry a 3 year warranty

That is how confident we are of our Quality and resilience

Please see our Features page for more information on this range Page3.

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NOTE Other rotors in our range, are available (Call to evaluate)

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NOTE: other Rotors in our range can be used, available upon request.

PrO-Sep04



Display indicative only.

- Speed**500-4000 Rpm
(10 Rpm steps)
- Rcf max**2,200 G
- Timer**.....0-99 Mins & hold
(30 sec steps)
- Dims HWD**235 x 235 x 350mm
- Weight**.....12.8 Kg (without rotor)
- Power**.....172 watts
- Memory**.....10 programs
- Accel rates** ...10 programs
- Decel rates** ...10 programs

Serum rotor



BRK5508S

Rotors	
Rotor type	8 x 5ml Swing out
Tube size max	13 x 75mm max
Minimum speed	500 Rpm
Maximum speed	4000 Rpm
Maximum Rcf (G)	2,200
Radius max cms	8.5
Sample tube angle (o)	0
Acceleration time (secs)	20
Deceleration time (secs)	20
Autoclaveable (frequency)	121°C (10)



5ml

PrO-Sep08



Display indicative only.

- Speed**500-8000 Rpm
(10 Rpm steps)
- Rcf max**6,100 G
- Timer**.....0-99 Mins & hold
(30 sec steps)
- Dims HWD**235 x 235 x 350mm
- Weight**.....12.8 Kg (without rotor)
- Power**.....172 watts
- Memory**.....10 programs
- Accel rates** ...10 programs
- Decel rates** ...10 programs

High speed fixed angle serum rotor



Rotors

BRK5407

Rotor type	4 x 10ml / & 4 x 15ml
Tube size max	13 x 110mm / 17 x 120mm
Minimum speed	500 Rpm
Maximum speed	8,000 Rpm
Maximum Rcf (G)	6,100
Radius max cms	8.5
Sample tube angle (o)	30
Acceleration time (secs)	30
Deceleration time (secs)	30
Autoclaveable (frequency)	121°C (10)



10ml



15ml

PrO-Sep PCVs Rotor Recognition



Display indicative only.

- Speed**500-12000 Rpm
(10 Rpm steps)
- Rcf max** 13,500 G
- Timer**.....0-99 Mins & hold
(30 sec steps)
- Dims HWD**235 x 235 x 350mm
- Weight**.....12.8 Kg (without rotor)
- Power**.....172 watts
- Memory**.....10 programs
- Accel rates** ...10 programs
- Decel rates** ...10 programs

Haematocrit & Microtube rotor

NEW
High dome sealed
Polycarbonate lid
included



Rotors	BRK5401	BRK5408	BRK5424	BRK5436	BRK5448	BRK5494
Rotor type	24 x Capillary & 12 x 2ml	8 x 15ml	24 x 2ml	36 x 0.5ml	48 x 0.2ml	4 x Pcr strips
Tube size max	2 x 75mm & 11 x 40mm	17 x 120mm	11 x 50mm	8 x 30mm	6 x 40mm	8 per strip
Minimum speed	500 Rpm	500 Rpm	500 Rpm	500 Rpm	500 Rpm	500 Rpm
Maximum speed	12,000 Rpm	6,000 Rpm	12,000 Rpm	12,000 Rpm	12,000 Rpm	12,000 Rpm
Maximum Rcf (G)	13500	3500	13,500	13,500	13,500	13,500
Radius max cms	8.5	8.5	8.5	8.5	8.5	8.5
Sample tube angle (o)	0 & 60	30	45	45	45	45
Acceleration time (secs)	30	30	25	25	25	25
Deceleration time (secs)	30	30	25	25	25	25
Autoclaveable (frequency)	121°C (10)	121°C (20)				

Accessories for BRK5401



8003 PCV reader



8014 Sealing clay

Part Number	Description
8012	Plain Capillary tubes pack 1000
8013	Heperanised Capillary tubes pack 1000

PrO-SepGP



Display indicative only.

- Speed**500-4000 Rpm
(10 Rpm steps)
- Rcf max**2200 G
- Timer**.....0-99 Mins & hold
(30 sec steps)
- Dims HWD**275 x 325 x 470mm
- Weight**.....21.8 Kg (without rotor)
- Power**125 watts
- Memory**10 programs
- Accel rates** ...10 programs
- Decel rates** ...10 programs

Swing Out Rotor



Rotors

BRK5508M

Rotor type	8 x 10ml
Tube size max	15 x 115mm
Minimum speed	500 Rpm
Maximum speed	4,000 Rpm
Maximum Rcf (G)	2200
Radius max cms	12.3
Sample tube angle (°)	0
Acceleration time (secs)	25
Deceleration time (secs)	25
Autoclaveable (frequency)	121°C (20)



10ml

Adaptors available - see page 20

PrO-SepLC



Display indicative only.

- Speed** 500-12,000 Rpm
(10 Rpm steps)
- Rcf max** 13,500 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

Swing Out Rotors



Rotors	BRK5505	BRK5508M
Buckets	B5250 (set 4 required)	
Rotor type	4 x 100ml Swing out	8 x 10ml
Tube size max	45 x 100mm	15 x 100mm
Minimum speed	500 Rpm	500 Rpm
Maximum speed	4,000 Rpm	4,000 Rpm
Maximum Rcf (G)	2200	2200
Radius max cms	12.3	12.3
Sample tube angle (o)	0	0
Acceleration time (secs)	25	25
Deceleration time (secs)	25	25
Autoclaveable (frequency)	121°C (20)	121°C (20)
	Adaptors required, choose 1 set (included). Sealed lids available B5419	

Adaptors for BRK5505



Display indicative only.

Adaptors available - see page 20

Cytology rotors available - see page 21

Rotors available to PrO-SepLC

Rotors High Speed

NEW

High dome sealed Polycarbonate lid included



Rotors	BRK5401	BRK5424	BRK5436	BRK5448	BRK5494
Rotor type	24 x Capillary/ 12 x 2ml	24 x 2ml	36 x 0.5ml	48 x 0.2ml	4 x Pcr strips
Tube size max	2 x 75mm/ 11 x 40mm	11 x 50mm	8 x 30mm	6 x 40mm	8 per strip
Minimum speed	500 Rpm	500 Rpm	500 Rpm	500 Rpm	500 Rpm
Maximum speed	12,000 Rpm	12,000 Rpm	12,000 Rpm	12,000 Rpm	12,000 Rpm
Maximum Rcf (G)	13500	13500	13500	13500	13500
Radius max cms	8.5	8.5	8.5cms	8.5cms	8.5cms
Sample tube angle (°)	0/60	45	45	45	45
Acceleration time (secs)	25	25	25	25	25
Deceleration time (secs)	25	25	25	25	25
Autoclaveable (frequency)	121°C (10)	121°C (20)	121°C (20)	121°C (20)	121°C (20)

Rotors Medium Speed



Rotors	BRK5412	BRK5406
Rotor type	12 x 15ml	6 x 50ml
Tube size max	17 x 120mm	30 x 120mm
Minimum speed	500 Rpm	500 Rpm
Maximum speed	6,000 Rpm	6,000 Rpm
Maximum Rcf (G)	3,500	3,500
Radius max cms	9.5	9.5
Sample tube angle (°)	35	35
Acceleration time (secs)	20	20
Deceleration time (secs)	20	20
Autoclaveable (frequency)	121°C (20)	121°C (20)

Reducers



Rotors	BRK5412	BRK5406
Part number	RM05 (5ml)	RM15 (15ml)
Tube size max	13 x 80mm	17 x 120mm
Part number	RM10 (10ml)	RM25 (25ml)
Tube size max	16 x 100mm	25 x 100mm

PrO-SepLL Rotor Recognition 1 Litre



Display indicative only.

- Speed**500-15000 Rpm
(10 Rpm steps)
- Rcf max**22,000 G
- Timer**.....0-99 Mins & hold
(30 sec steps)
- Dimensions** ...HWD 310 x 400 x 500mm
- Weight**.....31.6 Kg (without rotor)
- Power**.....309 watts
- Memory**.....10 programs
- Accel rates** ...10
- Decel rates** ...10

PrO-SepLLR Rotor Recognition Refrigerated



Display indicative only.

- Speed**500-15000 Rpm
(10 Rpm steps)
- Rcf max**22,000 G
- Timer**.....0-99 Mins & hold
(30 sec steps)
- Dimensions** ...HWD 315 x 450 x 635mm
- Weight**.....62.2 Kg (without rotor)
- Power**.....448 watts
- Memory**.....10 programs
- Accel rates** ...10
- Decel rates** ...10
- Temp**-9 to +40°C PID
controlled to +/- 1°C

Swing Out Rotors



Rotors	BRK5510	BRK5508L	BRK5530
Buckets	B5250 (set 4 required)	Complete with buckets	Complete with buckets
Sealed Lids	B5419	N/A	N/A
Rotor type	4 x 250ml	8 x 15ml	4 x microtiter plate
Tube size max	62 x 110mm	17 x 125mm	85 x 130mm
Minimum speed	500 Rpm	500 Rpm	500 Rpm
Maximum speed	4,000 Rpm	4,000 Rpm	3,000 Rpm
Maximum Rcf (G)	2600	2600	1250
Radius max cms	14.6	14.6	12.5
Sample tube angle (°)	0	0	0
Acceleration time (secs)	25	20	25
Deceleration time (secs)	25	20	25
Autoclaveable (frequency)	121°C (20)	121°C (20)	121°C (20)

Refrigerated Centrifuges only

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

Adaptors available - see page 20

Cytology rotors available - see page 21

Adaptors for BRK5510



Display indicative only.

Microtube Rotors 15,000 Rpm

NEW

High dome sealed Polycarbonate lid included



Rotors

	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	8 per strip
Minimum speed	500 Rpm	500 Rpm	500 Rpm	500 Rpm
Maximum speed	15,000 Rpm	15,000 Rpm	15,000 Rpm	15,000 Rpm
Maximum Rcf (G)	22000	22000	22000	22000
Radius max cms	8.75cms	8.75cms	8.75cms	8.75cms
Sample tube angle (o)	45	45	45	45
Acceleration time (secs)	20	20	20	20
Deceleration time (secs)	20	20	20	20
Autoclaveable (frequency)	121°C (20)	121°C (20)	121°C (20)	121°C (20)

Refrigerated Centrifuges only

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

Reducers



Rotor	BRK5424
Part number - Pack 24	RS04 (0.2 - 0.4ml)
Tube size max	6 x 30mm
Part number - Pack 24	RS05 (0.5ml)
Tube size max	8 x 30mm

Haematocrit Rotor 12,000 Rpm



Rotor	BRK5401
Rotor type	24 x 2ml & 12 x 2ml
Tube size max	75 x 2mm Capillary & 11 x 40mm
Minimum speed	500 Rpm
Maximum speed	12,000 Rpm
Maximum Rcf (G)	13500
Radius max cms	8.4cms
Sample tube angle (o)	0 & 60
Acceleration time (secs)	30
Deceleration time (secs)	30
Autoclaveable (frequency)	121°C (20)

Adaptors available - see page 20

Cytology Rotors available - see page 21

Rotors 6000 Rpm



Rotors	BRK5324	BRK5308	BRK5100
Rotor type	24 x 15ml	8 x 50ml	6 x 100ml
Tube size max	17 x 120mm	30 x 120mm	45 x 125mm
Minimum speed	500 Rpm	500 Rpm	500 Rpm
Maximum speed	6,000 Rpm	6,000 Rpm	6,000 Rpm
Maximum Rcf (G)	4800	4800	4800
Radius max cms	12	12	12
Sample tube angle (°)	30	30	30
Acceleration time (secs)	35	35	35
Deceleration time (secs)	35	35	35
Autoclaveable (frequency)	121°C (20)	121°C (20)	121°C (20)

Refrigerated Centrifuges only

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

Reducers



Rotor	BRK5324	BRK5308	BRK5100
Part number	RM05 (5ml)	RM15 (15ml)	RL10 (10ml)
Tube size max	13 x 80mm	17 x 120mm	16 x 100mm
Part number	RM10 (10ml)	RM25 (25ml)	RL25 (25ml)
Tube size max	16 x 100mm	25 x 100mm	25 x 100mm
Part number			RL50 (50ml)
Tube size max			35 x 115mm
Part number			RL85 (85ml)
Tube size max			39 x 115mm

PrO-SepHL Rotor Recognition 3 Litre



Display indicative only.

- Speed**500-15000 Rpm
(10 Rpm steps)
- Rcf max**22,000 G
- Timer**.....0-99 Mins & hold
(30 sec steps)
- Dimensions** ...HWD 375 x 600 x 630mm
- Weight**.....63.5 Kg (without rotor)
- Power**.....750 watts
- Memory**.....10 programs
- Accel rates** ...10
- Decel rates** ...10

PrO-SepHLR Rotor Recognition Refrigerated



Display indicative only.

- Speed**500-15000 Rpm
(10 Rpm steps)
- Rcf max**22,000 G
- Timer**.....0-99 Mins & hold
(30 sec steps)
- Dimensions** ...HWD 410 x 998 x 630mm
- Weight**.....120 Kg (without rotor)
- Power**.....1200 watts
- Memory**.....10 programs
- Accel rates** ...10
- Decel rates** ...10
- Temp**-9 to +40°C PID
controlled to +/- 1°C

Swing out rotors



Part number	BRK5553	Microtitor Buckets
Buckets	B3000 set 4 (Required)	B5200
Rotor type	4 x 750ml	4 x microtitor plate
Tube size max	98 x 170mm	85 x 130mm
Minimum speed	500 Rpm	500 Rpm
Maximum speed	4,000 Rpm	4,000 Rpm
Maximum Rcf (G)	3600	3600
Radius max cms	20.15	20.15
Sample tube angle (°)	0	0
Acceleration time (secs)	45	35
Deceleration time (secs)	45	35
Autoclaveable (frequency)	121°C (20)	121°C (20)

Sealed lids available Part Nos B5319 set 4

Refrigerated Centrifuges only

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

Adaptors available - see page 20.

Adaptors for BRK5553



Display indicative only.

Microtube Rotors 15,000 Rpm

NEW

High dome sealed Polycarbonate lid included



Part number	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	8 per strip
Minimum speed	500 Rpm	500 Rpm	500 Rpm	500 Rpm
Maximum speed	15,000 Rpm	15,000 Rpm	15,000 Rpm	15,000 Rpm
Maximum Rcf (G)	22000	22000	22000	22000
Radius max cms	8.75cms	8.75cms	8.75cms	8.75cms
Sample tube angle (°)	45	45	45	45
Acceleration time (secs)	20	20	20	20
Deceleration time (secs)	20	20	20	20
Autoclaveable (frequency)	121°C (20)	121°C (20)	121°C (20)	121°C (20)

Refrigerated Centrifuges only

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

Reducers



Rotor	BRK5424
Part number - Pack 24	RS04 (0.2 - 0.4ml)
Tube size max	6 x 30mm
Part number - Pack 24	RS05 (0.5ml)
Tube size max	8 x 30mm

Haematocrit Rotor 12,000 Rpm



Part number	BRK5401
Rotor type	24 x Capillary & 12 x 2ml
Tube size max	2 x 75mm & 11 x 40mm
Minimum speed	500 Rpm
Maximum speed	12,000 Rpm
Maximum Rcf (G)	13500
Radius max cms	8.5cms
Sample tube angle (°)	0 & 60
Acceleration time (secs)	30
Deceleration time (secs)	30
Autoclaveable (frequency)	121°C (20)

Rotors 6000 Rpm



	BRK5324	BRK5308	BRK5100
Part number	BRK5324	BRK5308	BRK5100
Rotor type	24 x 15ml	8 x 50ml	6 x 100ml
Tube size max	17 x 120mm	30 x 120mm	45 x 125mm
Minimum speed	500 Rpm	500 Rpm	500 Rpm
Maximum speed	6,000 Rpm	6,000 Rpm	6,000 Rpm
Maximum Rcf (G)	4800	4800	4800
Radius max cms	12	12	12
Sample tube angle (°)	30	30	30
Acceleration time (secs)	35	35	35
Deceleration time (secs)	35	35	35
Autoclaveable (frequency)	121°C (20)	121°C (20)	121°C (20)

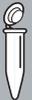
Refrigerated Centrifuges only

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

Reducers



	BRK5324	BRK5308	BRK5100
Rotor	RM05 (5ml)	RM15 (15ml)	RL10 (10ml)
Part number	RM05 (5ml)	RM15 (15ml)	RL10 (10ml)
Tube size max	13 x 80mm	17 x 120mm	16 x 100mm
Part number	RM10 (10ml)	RM25 (25ml)	RL25 (25ml)
Tube size max	16 x 100mm	25 x 100mm	25 x 100mm
Part number			RL50 (50ml)
Tube size max			35 x 115mm
Part number			RL85 (85ml)
Tube size max			39 x 115mm

Adaptors for Swing out rotors				Adaptors		Adaptors		Adaptors		
Tube type	Shape	Capacity	Size	To fit rotor BRK5505		To fit rotor BRK5510		To fit rotor BRK5553		
			WxH (mm)	Part nos	Nos of tubes per rotor	Part nos	Need buckets Nos of tubes per rotor	Part nos	Need buckets Nos of tubes per rotor	
	Micro with cap	point	0.5ml	8x20	AM505	36	AM605	40	AM805	120
	Micro with cap	point	1.5ml	11x38	AM520	24	AM620	28	AM820	84
	Micro with cap	point	2.0ml	11x38	AM520	24	AM620	28	AM820	84
	Micro with cap	point	0.2ml	6x20	AM502	36	AM602	48	AM802	168
	Micro with cap	point	0.4ml	6x30	AM504	36	AM604	48	AM804	168
	Plain No cap	round	1ml	6x45	AR501	36	AR601	48	AR801	168
	Plain No cap	round	3ml	10x60	AR503	28	AR603	32	AR803	96
	Plain No cap	round	5ml	12x75	AR505*	28	AR605	32	AR805	96
	Plain No cap	round	6ml	12x82	AR505*	28	AR605	32	AR805	96
	Plain No cap	round	7ml	12x100	AR507*	28	AR607*	32	AR807	96
	Plain No cap	round	9/10ml	14x100	AR509*	24	AR609*	28	AR809	84
	Plain No cap	round	15ml	17x100	AR515*	8	AR615*	28	AR815	52
	Plain No cap	round	25ml	24x100	AR525*	8	AR625	12	AR825	28
	Plain No cap	round	50ml	34x100	AR550*	4	AR650	4	AR850	16
	Plain No cap	round	100ml	45x100	AR5100*	4	AR6100	4	AR8100	8
	Plain No cap	round	150ml	52x100	See K241/R		AR6150	4	AR8150	4
Plain No cap	round	250ml	62x100	See K241/R		BUCKET	4	AR8250	4	
	Falcon with cap	Point	15ml	17x120	AF515*	8	AF615*	16	AF815	48
	Falcon with cap	Point	50ml	29x115	AF550*	4	AF650*	4	AF850	16
	Falcon with cap	Point	175ml	61x118	See K241/R		AF6175*	4	AF8175	4
	Falcon with cap	Point	175ml	17x120			AF614	4		
	Corning with cap*	Point	250ml	60x172	See K242/R		See K242/R		AF8250	4
	Corning with cap*	Point	500ml	98x148	See K242/R		See K242/R		AF8500	4
	Falcon with cap	Square	12ml	17x100	AFS512*	8	AFS612*	16	AFS812	48
	Falcon with cap	Square	25ml	25x90	AFS525	4	AFS625*	8	AFS825	28
	Falcon with cap	Square	30ml	25x110	AFS530	4	AFS630	8	AFS830	28
	Falcon with cap	Square	50ml	29x115	AFS550*	4	AFS650	4	AFS850	20
	Falcon with cap	Square	15ml	17x120	N/A	N/A	AFS614	4	AFS815	48
	Nalgene/Oakridge	Round	10ml	16x80	ANO510*	8	ANO610	16	ANO810	48
	Nalgene/Oakridge	Round	30ml	26x95	ANO530*	4	ANO630	4	ANO830	28
	Nalgene/Oakridge	Round	50ml	29x107	ANO550*	4	ANO650	4	ANO850	24
	Nalgene/Oakridge	Round	85ml	38x106	ANO585	4	ANO685	4	ANO885	12
	Nalgene/Oakridge*	Flat	250ml	62x130	See K241/R		Buckets 5250	4	ANO8250	4
	Nalgene/Oakridge*	Flat	750ml	98x153	See K243/R		See K243/R		Bucket	4
	Monovette	Square	1.1-1.4ml	8x82	AM5014	24	AM6014	40	AM8014	96
	Monovette	Square	2.7-3ml	11x82	AM503	24	AM603	40	AM803	76
	Monovette	Square	2.6-2.9ml	13x81	AM529	24	AM629	40	AM829	76
	Monovette	Square	4.5-5ml	11x108	AM503*	24	AM603*	40	AM803	76
	Monovette	Square	7.5-8.2ml	13x106	AM579*	24	AM679*	40	AM879	76
	Monovette	Square	4-5.5ml	15x92	AM550*	20	AM650	28	AM850	64
	Monovette	Square	7.5-8.2ml	15x108	AM550*	20	AM650*	28	AM850	64
	Monovette	Square	9-10.0ml	16x108	AM590*	20	AM690*	28	AM890	64
	Vacutainer	Round	1.6-5.0ml	13x75	AV516*	24	AV616	40	AV816	76
	Vacutainer	Round	4-7.0ml	13x100	AV550*	16	AV650	40	AV850	76
	Vacutainer	Round	8.5-10.0ml	16x100	AV580*	12	AV680	28	AV880	64

Note:- We cannot be held responsible if the tube manufacturers change design and/or size of the tube.

* Limited capacity with sealed bucket lids (B5419 and B5319).

Rotor Cytology

Using centrifugal force to separate and deposit a monolayer of cells onto slides whilst maintaining cellular 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, Virology, Serology and Microbiology.

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



Rotors

Rotor type

Holders

Minimum speed

Maximum speed

Maximum Rcf (G)

Radius max cms

Sample tube angle (°)

Acceleration time (secs)

Deceleration time (secs)

Autoclaveable (frequency)

4420

4 x 0.2ml to 6ml

Single or double

200 Rpm

2,000 Rpm

550

12

0

25

25

121°C (10)

4430

8 x 0.2ml to 6ml

Single or double

200 Rpm

2,000 Rpm

550

12

0

25

25

121°C (10)

Cytology rotor includes Rotor, sealed lid, Clips, 24 x holders with filter card & 100 slides

Accessories



4446

Double sample holder with card (up to 1ml)



4444

Single sample holder with card (up to 1ml)



4600

Single sample holder with card (up to 6ml)



4462

Stainless steel clips

PrO-SepCW Cell Washing Centrifuge

Complete with 12 place rotor and accessories

The Centurion cell washing system can simplify work and save time in the washing of blood cells for antiglobulin reagent tests.

The instrument's 12 place rotor accepts both 10 x 75mm and 12 x 75mm tubes. Being a manual cell washing system means our users can be precise and sure of exact saline amounts administered by themselves.

These machines are perfect for performing blood grouping, blood typing, cross matching, ABO compatibility, RH testing and the Coombs test procedure.

A manual washing cycle includes the following steps:

- Filling with saline solution
- Centrifuging at (usually) 3,500 rpm for 1 min
- Decanting the supernatant
- Resuspending the sediment between cycles

CW12 with bright blue LED display



Display indicative only.

Speed 500 - 3500Rpm

Rcf max 1250G

Timer 99 Minutes
Pulse 0 - 90 Secs

Dims HWD 270 x 330 x 460 mm

Weight 16.5Kilos without rotor

Features

LED Display 10 acceleration rates,
10 deceleration rates,
10 program memory
Run is speed or Rcf (G force)

Standard features

Stainless steel bowl
Alloy and steel main frame with composite panels
World brand leading industrial grade inverter
High quality European brushless motor
Full service access via coded system

Advantages

Cleanliness & Rust Free
Strong Light & Quiet
Reliability & Accuracy
Quiet, Cool & Reliable
Easy servicing

Safety features

Multi-point lid locking system containment
Imbalance vibration detector with auto reset
Lid lock detector
Overspeed sensor
Set inverter values
Barrier ring
Motor overheat sensor

Advantages

Best Safety for Lid
Easy "eye" volume loading
Unable to run with an open lid
Safe detection of speed
Electronic safety of speed
Metal protection of chamber
Motor & samples protection

We reserve the right to make changes without prior notice in line with ongoing R&D

Cell Washer Accessories

PLEASE NOTE our Cell washing machine is supplied complete with rotor and 2 x 12 holders



Rotor for CW12

- High quality Polypropylene.
- Autoclaveable.

The rotor in this device can be detached and efficiently functions as a holder in which test tubes can be filled, centrifuged, transported, incubated and emptied without the necessity for individual handling.



Adaptors for CW12

2 sets supplied, 12 of each size

Our adaptors enable the rotor to handle both 10 x 75mm and 12 x 75mm tubes.

The included rotor carries 12 tubes but can operate with any balanced load of fewer tubes and any combination of sizes as long as these are properly balanced.

This offers complete flexibility for the user.





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DISTRIBUTED WORLDWIDE

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please visit our global website**



www.centurionscientificglobal.com

