

Pro Analytical Large Centrifuge

Clinical, Laboratory & Research Applications



Introducing Hawksley & Sons

Continuing the proud legacy of British centrifuge manufacturing, Hawksley is now the official manufacturer of Centurion Scientific centrifuges.

Founded in 1869, Hawksley has supplied British laboratories with trusted medical equipment and consumables for over 150 years. In an industry dominated by multinational corporations, we are proud to remain a small, independent business - committed to craftsmanship, service, and long-term reliability.

Across seven generations, Hawksley & Sons has pioneered new technologies, contributed to global medical device innovation, and supported scientists, surgeons, and medical professionals around the world. Our mission is simple and enduring: to deliver quality, reliability, and innovation across our three core specialisms - centrifugation, andrology & fertility, and laboratory glassware and counting chambers.

We have been manufacturing centrifuges since the 1950s, with iconic models such as the Haematospin 1400 and the Vetspin Duo remaining widely used and trusted today. With more than 80 years of centrifugation expertise passed down through generations, we are excited to carry forward - and elevate - the Centurion name.





Welcome to the Large Centrifuge Range

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Pro Analytical Centrifuge Features

The Pro-Analytical range is a collection of sleek and durable centrifuges that fit into any laboratory or clinical setting. These machines are made with premium components and are constructed to the highest standard, all from our UK manufacturing facility. All Centurion centrifuges come with a 2-year warranty.

Centurion Scientific Ltd Centrifuges comply to all relevant EU standards of quality and medical devices IEC 61010 and CE conformity test marks emission, immunity to EN/IEC 61326-1, Class B.

User features	Advantages
Rotor recognition	Safe selection of rotors
10 acceleration rates & 10 deceleration rates	Sample assistance
99 program memory	Multi department & Users
Timer 0-9 Hours & Hold in 30 second increments	Total flexibility
Pulse short run	Fast pelleting
Run in speed (RPM) or RCF (g) in 10 increments	Accuracy
Orientation acceleration rate	Prevents initial sample side deposits
Sound <60db (rotor dependent)	Quiet

Standard Features	Advantages
Extra thick stainless steel bowl	Easy clean & rust free
Port to lid	Tachometer speed certification
Aluminium sides & Steel Barrier ring	Strong, light & quiet
World leading industrial grade inverter	Reliability & strength
Best quality European brushless motor	Quiet, cool & reliable
High technology airflow	Cooler running



CE marked and ISO 9001

Centurion Scientific centrifuges are engineered to meet the highest safety standards. Each unit incorporates critical features such as a double-lid locking system and automatic imbalance detection, ensuring reliable performance and consistent sample integrity across every use.

Safety Features	Advantages
Multi point lid locking	Lid safety
Emergency lid release	Power failure release
Lid spring strut	Lid dropping safety
Imbalance detection	To run, lid must be shut
Overspeed sensor	Safe detection of speed
Set inverter values	Electronic safety of speed
Barrier ring	Safety protection of chamber
Motor overheat sensor	Safe motor protection

Key Features



High stability
with RCF and
RPM



Digital
Display &
LCD



Long-lasting and
maintenance-free with
brushless motor
technology



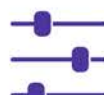
Rotor
versatility for
any program



Quiet run
(under 60db)



Always safe with
imbalance
detection



10 RPM/RCF
precision



Orientation
acceleration
rate



Multi point lid
locking



99 program
memory



CE marked and ISO 9001

LED vs LCD Screens

Centurion centrifuges are available with two display options, LED and LCD, allowing you to choose the interface that best suits your laboratory needs.

LED Screen

The LED displays provide a bright, high-contrast readout for quick and clear visibility of essential operating parameters. They offer simple, reliable control of speed, time, and temperature, with low power consumption and long-term durability. This makes the LED option ideal for routine, everyday centrifugation tasks.



LCD Screen

The LCD option features a modern touchscreen interface, offering intuitive navigation and the ability to view multiple parameters at once. This display includes additional functionality, allowing more precise control based on relative centrifugal force over time. With a wide viewing angle and responsive touch operation, the LCD screen is well suited to applications requiring higher accuracy, flexibility, and more advanced programming. See overleaf for further information



LCD Touchscreen Features

ω^2t (W2t) Centrifugation.

The term ω^2t (W2t) centrifugation refers to the use of a built-in integrator in a centrifuge that calculates the accumulated centrifugal effect during a run, allowing for highly reproducible separations across different machines or runs. This method is standard in ultracentrifuges and available in some high-end research centrifuges.

Understanding the Concept

- ω (omega) represents the angular velocity (rotor speed in radians per second), and t represents the run time.
- The ω^2t integrator calculates the integral of the squared rotor speed over time, resulting in a single value representing the total centrifugal force applied to the sample.
- This is a significant advantage because it allows the run time to be automatically adjusted to compensate for any variations in rotor speed, ensuring the sample receives the exact same separation force in every run, even if the centrifuge takes slightly longer to reach speed or experiences minor fluctuations.
- The units of ω^2t are typically radians squared per second (rad^2/s), and the values are large, often in the order of millions or billions, displayed in exponential notation.

Use in Research and Industry

W2t control is a valuable feature, particularly in sensitive research, pharmaceutical, and clinical applications where precise and consistent results are paramount. While many standard centrifuges operate using user-defined speed (RPM or RCF/G-force) and time, W2t control offers superior reliability for achieving identical pelleting or separation results time after time.

Centurion's LCD centrifuges utilise this methodology, naming it RCFt.

RCFt displayed on
touchscreen



Refrigerated Models - Guaranteed Control

Accurate cooling using less power.

Alongside our ambient models, Centurion offers an extensive range of refrigerated centrifuges, designed to deliver optimal temperature control. Each unit provides a PID controlled temperature range of -10°C to 40°C , accurate to $\pm 1^{\circ}\text{C}$, ensuring exceptional stability and superior control compared with alternative systems.

How?

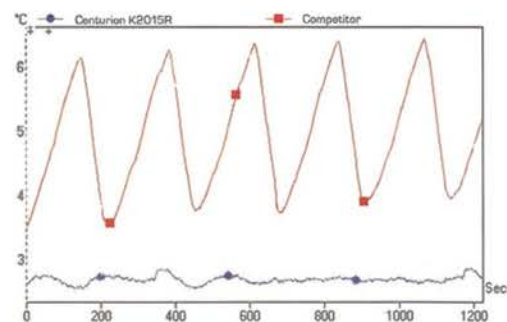
Centurion Scientific keep the compressor running constantly, a unique method which increases compressor life and drastically reduces power use. Constantly turning a compressor on and off causes unequal power surges, and results in poor temperature control.

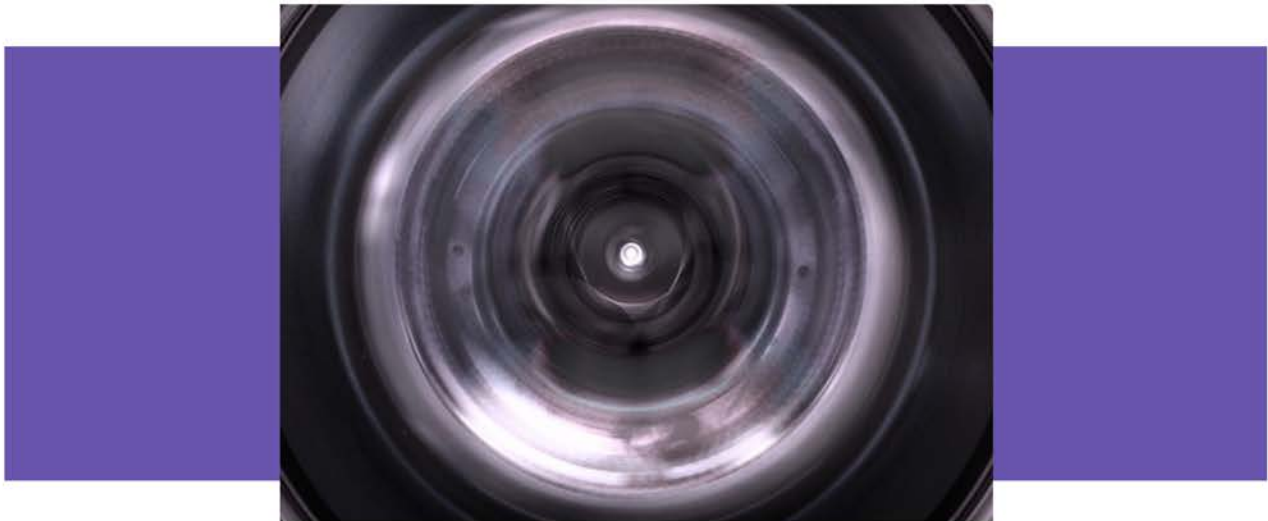
Why?

When taking a shower, you wouldn't stand in cold water, and then hot water to regulate the temperature. Instead, you use both hot and cold to get the right temperature. We apply this theory to refrigerated centrifugation. By using both hot and cold simultaneously, we easily 'balance' the set temperature.

Pro

The graph here displays the differences between two compressor types. Centurion is set at 3°C and the competitor at 4°C to differentiate between the data. As you can clearly see, our system has a much higher degree of control and consistency than the other.





Servicing & Centrifuge Care

Why does my centrifuge need servicing?

A yearly service validates your warranty. As with any appliance you purchase, servicing extends the lifetime of the product and negates the need for constant replacements, which in turn saves you money.

We appreciate that a centrifuge is an essential component of a laboratory, and that downtime is therefore not acceptable. However, if it is regularly maintained, you extend its life significantly.

For products sold outside of the UK, all our distributors have received training and authority to service our centrifuges. Centrifuges can be dangerous. Although Centurion Scientific manufacture exceptionally safe machines, if a rotor lid or seals are not replaced regularly, this can lead to breakage and severe damage further down the line. Servicing of our Centrifuges is also a requirement to validate your warranty with authorised distributors and Centurion to be used only.

Please be sure to contact the sales team for servicing pricing and further information.

[Service & Support Page](#)

LED LARGE CENTRIFUGES TO 2L & 3L

Centurion's Large Centrifuges accommodate up to 2L or 3L of samples, making them ideal for analysing larger volumes. Rotors are purchased separately, providing full flexibility to process a wide range of sample sizes.



Large LED Ambient Centrifuge

RPM	15,000 RPM max (10 RPM steps)
RCF	10 – 24,000
Timer	0–9hours & Hold (30 sec steps)
Dims WxDxH	575 x 665 x 415mm
Weight	90 Kg (without rotor)
Power	750 Watts
Memory	99 programs
Accel Rates	10 programs
Decel Rates	10 programs

PART NUMBERS Ambient LED Centrifuge

C-LARGE 230V 50/60Hz (previously C7000)
 1.C-LARGE 110V 50/60Hz (previously 1.C7000)
 Alternative plug types available.



Large LED Refrigerated Centrifuge

RPM	15,000 RPM max (10 RPM steps)
RCF	10 – 24,000
Timer	0–9hours & Hold (30 sec steps)
Dims WxDxH	904 x 665 x 422mm
Weight	105Kg (without rotor)
Power	1200 Watts
Memory	99 programs
Accel Rates	10 programs
Decel Rates	10 programs
Temp Range	–10°C to +40°C PID controlled to +/- 1°C

PART NUMBERS Refrigerated LED Centrifuge

C-LARGE.R 230V 50/60Hz. (previously C7000R)
 1.C-LARGE.R 110V 60Hz. (previously 1.C7000R)
 Alternative plug types available.

LCD LARGE CENTRIFUGES TO 2L & 3L

Centurion also offers a LCD touchscreen option with W2t control for sensitive research applications. Rotors are purchased separately, providing full flexibility to process a wide range of sample sizes.



Large LCD Ambient Centrifuge

RPM	15,000 RPM max (10 RPM steps)
RCF	10 - 22,000
Timer	0-9 hours & Hold (30 sec steps)
Dims WxDxH	575 x 665 x 415mm
Weight	90 Kg (without rotor)
Power	750 Watts
Memory	99 programs
Accel Rates	10 programs
Decel Rates	10 programs

PART NUMBERS Ambient LCD Centrifuge

C-LARGE-LCD 230V 50/60Hz. (previously K243)

1.C-LARGE-LCD 110V 50/60Hz. (previously 1.K243)

Alternative plug types available.



Large LCD Refrigerated Centrifuge

RPM	15,000 RPM max (10 RPM steps)
RCF	10 - 22,000
Timer	0-9hours & Hold (30 sec steps)
Dims WxDxH	904 x 665 x 422mm
Weight	105Kg (without rotor)
Power	1200 Watts
Memory	99 programs
Accel Rates	10 programs
Decel Rates	10 programs
Temp Range	-10°C to +40°C PID controlled to +/- 1°C

PART NUMBERS Refrigerated LCD Centrifuge

C-LARGE.R-LCD 230V 50/60Hz. (previously K243R)

1.C-LARGE.R-LCD 110V 60Hz. (previously 1.K243R)

Alternative plug types available.

MICROTUBE ROTORS

The Microtube Rotors are designed for the centrifugation of smaller sample sizes ranging from 0.5 ml to 2 ml, as well as PCR strips. They offer a maximum speed of 22,000 RCF, programmable in 10 RCF increments for precise control.



C-R-FA5424 rotor with included sealed lid.



C-R-FA5424 rotor without included lid.

Rotor	C-R-FA5424	C-R-FA5436	C-R-FA5448	C-R-FA5494
Rotor Type	24 x 2.0ml	36 x 0.5ml	48 x 0.2 to 0.4ml	4 x PCR Strips
Tube Size	11 x 40mm	8 x 30mm	6 x 40mm	6 x 40mm
RCF Range (g)	10-22,000	10 -22,000	10 -22,000	10-22,000
Maximum RPM	15,000	15,000	15,000	15,000
Max Radius (cms)	8.75cms	8.75cms	8.75cms	8.75cms
Sample Tube Angle °	45	45	45	45
Acceleration Time (secs)	15	15	15	15
Deceleration Time (secs)	15	15	15	15
Min Temp. @ Max Speed	4°C	4°C	4°C	4°C
Reducers Available	RS04, RS05	N/A	N/A	N/A
Sealed Lid Included?	Yes	Yes	Yes	Yes
Spare Lid Part No.	C-RL-1440	C-RL-1440	C-RL-1440	C-RL-1440
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)	121°C (10)

Reducers - Pack of 4	C-RC-RS04	C-RC-RS05
Capacity (ml):	0.2-0.4ml 	0.5ml 
Tube Size Max:	6 x 30mm	8 x 30mm

MICROTUBE ROTORS - HIGH CAPACITY

The High-Capacity Microtube Rotors are designed for users who need to centrifuge 0.5 ml, 2.2ml and PCR strips at increased volume. They offer a maximum speed of 10,500 RCF, programmable in 10 RCF increments for precise control.



C-R-FA5348 rotor with included sealed lid.



C-R-FA5348 rotor without included lid.

Rotor	C-R-FA5348	C-R-FA5349	C-R-FA5398
Rotor Type	48 x 2.2ml	24 x 2.2 & 24 x 0.5ml	8 x PCR Strips
Tube Size Max	11 x 40mm	11x50 & 6x30mm	6 x 40mm
RCF Range (g)	10-10,500	10-10,500	10-10,500
Maximum RPM	10,000	10,000	10,000
Max Radius (cms)	9.45cms	9.45cms	9.45cms
Sample Tube Angle °	45	45	45
Acceleration Time (secs)	30	30	30
Deceleration Time (secs)	45	45	45
Min. Temp @ Max Speed	0°C	0°C	0°C
Sealed Lid Included?	Yes	Yes	Yes
Spare Lid Part No.	C-RL-1720	C-RL-1720	C-RL-1720
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)

4 PLACE SWING OUT ROTOR

For larger-volume samples where cell viability is critical, Centurion recommends the four-place swing-out rotor. It accommodates either 4 × 500 ml or 4 × 750 ml tubes, depending on the buckets required, with a maximum total capacity of 2 or 3 L.



C-R-SO3000 rotor with C-B-2001 buckets sold separately.



C-B-2001 buckets with optional lids C-BL-B5319 sold separately.

C-R-SO3000

Historic Part Number	BRK3000
Capacity (Options)	2L & 3L
Max RPM	4000 RPM

Buckets

C-B-2001	4 x 500ml buckets
C-B-3001	4 x 750ml buckets
C-BL-B5319	Optional sealed lids

Rotor/Bucket	C-R-SO3000 + C-B-2001	C-R-SO3000 + C-B-3001
Tube Size	98 x 160mm	98 x 170mm
RCF Range (g)	10-3600	10-4000
Maximum RPM	4000 RPM	4000 RPM
Max Radius (cms)	20.5	22.5
Sample Tube Angle °	0	0
Acceleration Time (secs)	40	40
Deceleration Time (secs)	40	40
Min. Temp @ Max Speed	4°C	4°C
Sealed Lid Included?	No	No
Spare Lid Product No.	C-BL-B5319	C-BL-B5319
Autoclavable (frequency)	121°C (10)	121°C (10)

The four-place swing-out rotor has an extensive range of adaptors available for both buckets, depending on your size and shape requirements. Please refer to the following two pages to select the most suitable adaptors for your needs.

ADAPTORS FOR BUCKETS C-B-2001

Tube Type: Micro with Cap. Shape: Point

Capacity	Size. mm	Part Number	Historical Part Number	Tubes per rotor
0.5ml	8 x 20	C-A-AM805-2	AM805-2	144
1.5ml	11 x 38	C-A-AM820-2	AM820-2	92
2.0ml	11 x 38	C-A-AM820-2	AM820-2	92
0.2ml	6 x 20	C-A-AM802-2	AM802-2	172
0.4ml	6 x 30	C-A-AM804-2	AM804-2	172

Tube Type: Plain no Cap. Shape: Round

1ml	6 x 45	C-A-AR801-2	AR801-2	172
3ml	10 x 60	C-A-AR803-2	AR803-2	96
5ml	12 x 75	C-A-AR805-2	AR805-2	96
6ml	12 x 82	C-A-AR806-2	AR806-2	96
7ml	12 x 100	C-A-AR807-2	AR807-2	96
9/10ml	14 x 100	C-A-AR809-2	AR809-2	84
15ml	17 x 100	C-A-AR815-2	AR815-2	48
25ml	24 x 100	C-A-AR825-2	AR825-2	28
50ml	34 x 100	C-A-AR850-2	AR850-2	16
100ml	45 x 100	C-A-AR8100-2	AR8100-2	8
150ml	52 x 100	C-A-AR8150-2	AR8150-2	4
250ml	62 x 100	C-A-AR8250-2	AR8250-2	4

Tube Type: Falcon with Cap. Shape: Point

15ml	17 x 120	C-A-AF815-2	AF815-2	28
50ml	29 x 115	C-A-AF850-2	AF850-2	16
175ml	61 x 118	C-A-AF8175-2	AF8175-2	4

Tube Type: Falcon with Cap. Shape: Square

12ml	17 x 100	C-A-AFS812-2	AFS812-2	48
15ml	17 x 120	C-A-AFS815-2	AFS815-2	28
25ml	25 x 90	C-A-AFS825-2	AFS825-2	20
30ml	25 x 110	C-A-AFS830-2	AFS830-2	16
50ml	29 x 115	C-A-AFS850-2	AFS850-2	12

Tube Type: Corning with Cap. Shape: Point

250ml	60 x 165	C-A-AF8250-2	AF8250-2	4
500ml	96 x 148	C-A-AF8500-2	AF8500-2	4

Tube Type: Nalgene. Oakridge with Cap. Shape: Round

10ml	15 x 80	C-A-ANO810-2	ANO810-2	64
30ml	26 x 95	C-A-ANO830-2	ANO830-2	20
50ml	29 x 107	C-A-ANO850-2	ANO850-2	12
100ml	38 x 106	C-A-ANO8100-2	ANO8100-2	12
250ml	62 x 133	C-A-ANO8250-2	ANO8250-2	4

Tube Type: Herolab with Cap. Shape: Square

250ml	62 x 122	C-A-ANO8252-2	ANO8252-2	4
500ml	98 x 114	C-A-AH2695R	AH2695R	4 No lid

Tube Type: Monovette. Shape: Square

1.1-1.4ml	8 x 82	C-A-AM8014-2	AM8014-2	96
2.7-3ml	11 x 82	C-A-AM803-2	AM803-2	76
2.6-2.9ml	13 x 81	C-A-AM829-2	AM829-2	68
4.5-5ml	11 x 108	C-A-AM845-2	AM845-2	76
7.5-8.2ml	13 x 106	C-A-AM879-2	AM879-2	68
4.5-5ml	15 x 92	C-A-AM850-2	AM850-2	64
9-10ml	16 x 108	C-A-AM890-2	AM890-2	64

Tube Type: Vacutainer. Shape: Round & Vacuette

1.6-5ml	13 x 82	C-A-AV816-2	AV816-2	68
4-7ml	13 x 106	C-A-AV850-2	AV850-2	68
7-9ml	15 x 92	C-A-AV870-2	AV870-2	64
8.5-10ml	16 x 108	C-A-AV880-2	AV880-2	64

ADAPTORS FOR BUCKETS C-B-3001

Tube type: Micro with cap. Shape: Point

Capacity	Size. mm	Part Number	Historical Part Number	Tubes per rotor
0.5ml	8 x 20	C-A-AM805-3	AM805-3	288
1.5ml	11 x 38	C-A-AM820-3	AM820-3	184
2.0ml	11 x 38	C-A-AM820-3	AM820-3	184
0.2ml	6 x 20	C-A-AM802-3	AM802-3	336
0.4ml	6 x 30	C-A-AM804-3	AM804-3	336

Tube type: Plain no cap. Shape: Round

1ml	6 x 45	C-A-AR801-3	AR801-3	172
3ml	10 x 60	C-A-AR803-3	AR803-3	96
5ml	12 x 75	C-A-AR805-3	AR805-3	96
6ml	12 x 82	C-A-AR806-3	AR806-3	96
7ml	12 x 100	C-A-AR807-3	AR807-3	96
9/10ml	14 x 100	C-A-AR809-3	AR809-3	84
15ml	17 x 100	C-A-AR815-3	AR815-3	48
25ml	24 x 100	C-A-AR825-3	AR825-3	28
50ml	34 x 100	C-A-AR850-3	AR850-3	16
100ml	45 x 100	C-A-AR8100-3	AR8100-3	8
150ml	52 x 100	C-A-AR8150-3	AR8150-3	4
250ml	62 x 100	C-A-AR8250-3	AR8250-3	4

Tube type: Falcon with Cap. Shape: Point

15ml	17 x 120	C-A-AF815-3	AF815-3	36
50ml	29 x 115	C-A-AF850-3	AF850-3	20
175ml	61 x 118	C-A-AF8175-3	AF8175-3	4

Tube type: Falcon with Cap. Shape: Square

12ml	17 x 100	C-A-AFS812-3	AFS812-3	48
15ml	17 x 120	C-A-AFS815-3	AFS815-3	36
25ml	25 x 90	C-A-AFS825-3	AFS825-3	24
30ml	25 x 110	C-A-AFS830-3	AFS830-3	24
50ml	29 x 115	C-A-AFS850-3	AFS850-3	20

Tube type: Corning with Cap. Shape: point

250ml	60 x 165	C-A-AF8250-3	AF8250-3	4
500ml	96 x 148	C-A-AF8500-3	AF8500-3	4

Tube type: Nalgene. Oakridge with Cap. Shape: Round

10ml	15 x 80	C-A-ANO810-3	ANO810-3	64
30ml	26 x 95	C-A-ANO830-3	ANO830-3	24
50ml	29 x 107	C-A-ANO850-3	ANO850-3	20
100ml	38 x 106	C-A-ANO8100-3	ANO8100-3	12
250ml	62 x 133	C-A-ANO8250-3	ANO8250-3	4

Tube type: Herolab with Cap. Shape: Square

250ml	62 x 122	C-A-ANO8252-3	ANO8252-3	4
500ml	98 x 114	C-A-AH2695R	AH2695R	4
750ml	98 x 136	C-A-AH2695R	AH2695R	4 No lid

Tube type: Monovette. Shape: Square

1.1-1.4ml	8 x 82	C-A-AM8014-3	AM8014-3	112
2.7-3ml	11 x 82	C-A-AM803-3	AM803-3	76
2.6-2.9ml	13 x 81	C-A-AM829-3	AM829-3	76
4.5-5ml	11 x 108	C-A-AM845-3	AM845-3	76
7.5-8.2ml	13 x 106	C-A-AM879-3	AM879-3	76
4.5-5ml	15 x 92	C-A-AM850-3	AM850-3	64
9-10ml	16 x 108	C-A-AM890-3	AM890-3	64

Tube type: Vacutainer. Shape: Round & Vacuette

1.6-5ml	13 x 82	C-A-AV816-3	AV816-3	76
4-7ml	13 x 106	C-A-AV850-3	AV850-3	76
7-9ml	15 x 92	C-A-AV870-3	AV870-3	64
8.5-10ml	16 x 108	C-A-AV880-3	AV880-3	64

HIGH VOLUME FIXED ANGLE ROTOR

For high-volume samples, Centurion offers the six-place fixed-angle rotor for the Large Centrifuges. It can hold up to 6 × 250 ml tubes, with a maximum RCF of 16,100.



C-R-FA5256 rotor, no lid available

Rotor	C-R-FA5256
Rotor Type	6 x 250ml
Tube Size Max	62 x 130mm
RCF Range (g)	10-16,100
Maximum RPM	10,000
Max Radius (cm)	14.4
Sample Tube Angle °	30
Acceleration Time (secs)	90
Deceleration Time (secs)	180
Min. Temp @ Max Speed	4°C
Reducers Available	RM05, RM10, RM15, RM25, RM50, RM85, RM100, RM200
Autoclavable (frequency)	121°C (10)

Reducers	C-RC-RM05	C-RC-RM10	C-RC-RM15	C-RC-RM25
Capacity (ml):	5ml	10ml	15ml	25ml
Tube Size Max:	13 x 80mm	14 x 100mm	17 x 100mm	24 x 100mm

Reducers	C-RC-RM50	C-RC-RM85	C-RC-RM100	C-RC-RM200
Capacity (ml):	50ml	85ml	100ml	200ml
Tube Size Max:	30 x 110mm	39 x 110mm	39 x 110mm	57 x 121mm

HIGH SPEED FIXED ANGLE ROTORS

Centurion offers three high-speed fixed-angle rotors for the Large Centrifuges, available for 15 ml, 50 ml, and 100 ml sample sizes. All rotors have a maximum speed of 13,400 RCF, or 10,000 RPM.



C-R-FA5224 rotor with included sealed lid.



C-R-FA5224 rotor without included sealed lid.

Rotor	C-R-FA5224	C-R-FA5208	C-R-FA5210
Rotor Type	24 x 15ml	8 x 50ml	6x 100ml
Tube size max	17 x 120mm	30 x 120mm	38 x 125mm
RCF Range (g)	10-13,400	10-13,400	10-13,400
Maximum RPM	10,000	10,000	10,000
Max Radius (cm)	12	8.5	12
Sample tube angle °	30	60	30
Acceleration time (secs)	70	180	70
Deceleration time (secs)	130	25	130
Min. Temp @ Max Speed	4°C	4°C	4°C
Reducers Available	RM10, RM15	RM15, RM25	RM50
Sealed Lid Included?	Yes	Yes	Yes
Spare Lid Part No.	C-RL-1720	C-RL-1720	C-RL-1720
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)

Reducers	C-RC-RM10	C-RC-RM15	C-RC-RM25	C-RC-RM50
Capacity (ml):	10ml 	15ml 	25ml 	50ml 
Tube Size Max:	14 x 100mm	17 x 100mm	24 x 100mm	30 x 110mm

LOW SPEED FIXED ANGLE ROTORS

Centurion offers three low-speed fixed-angle rotors for the Large Centrifuges, available for 15 ml, 50 ml, or 100 ml sample sizes. All rotors can centrifuge up to 4,800 RCF, or 6,000 RPM.



C-R-FA5324 rotor with included sealed lid.



C-R-FA5324 rotor without included sealed lid.

Rotor	C-R-FA5324	C-R-FA5308	C-R-FA5100
Rotor Type	24 x 15ml	8 x 50ml	6 x 100ml
Tube Size Max	17 x 120mm	30 x 120mm	38 x 125mm
RCF Range (g)	10-4,800	10-4,800	10-4,800
Maximum RPM	6000	6000	6000
Max Radius (cm)	12	12	12
Sample Tube Angle °	30	30	30
Acceleration time (secs)	30	30	30
Deceleration time (secs)	35	35	35
Min. Temp @ Max Speed	0°C	0°C	0°C
Available Reducers	RM05, RM10	RM15, RM25	RM50
Sealed Lid Included?	Yes	Yes	Yes
Spare Lid Part No.	C-RL-1720	C-RL-1720	C-RL-1720
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)

Reducers	C-RC-RM05	C-RC-RM10	C-RC-RM15	C-RC-RM25	C-RC-RM50
Capacity (ml):	5ml	10ml	15ml	25ml	50ml
Tube Size Max:	13 x 80mm	14 x 100mm	17 x 100mm	24 x 100mm	30 x 110mm



MICROTITER PLATE ROTOR

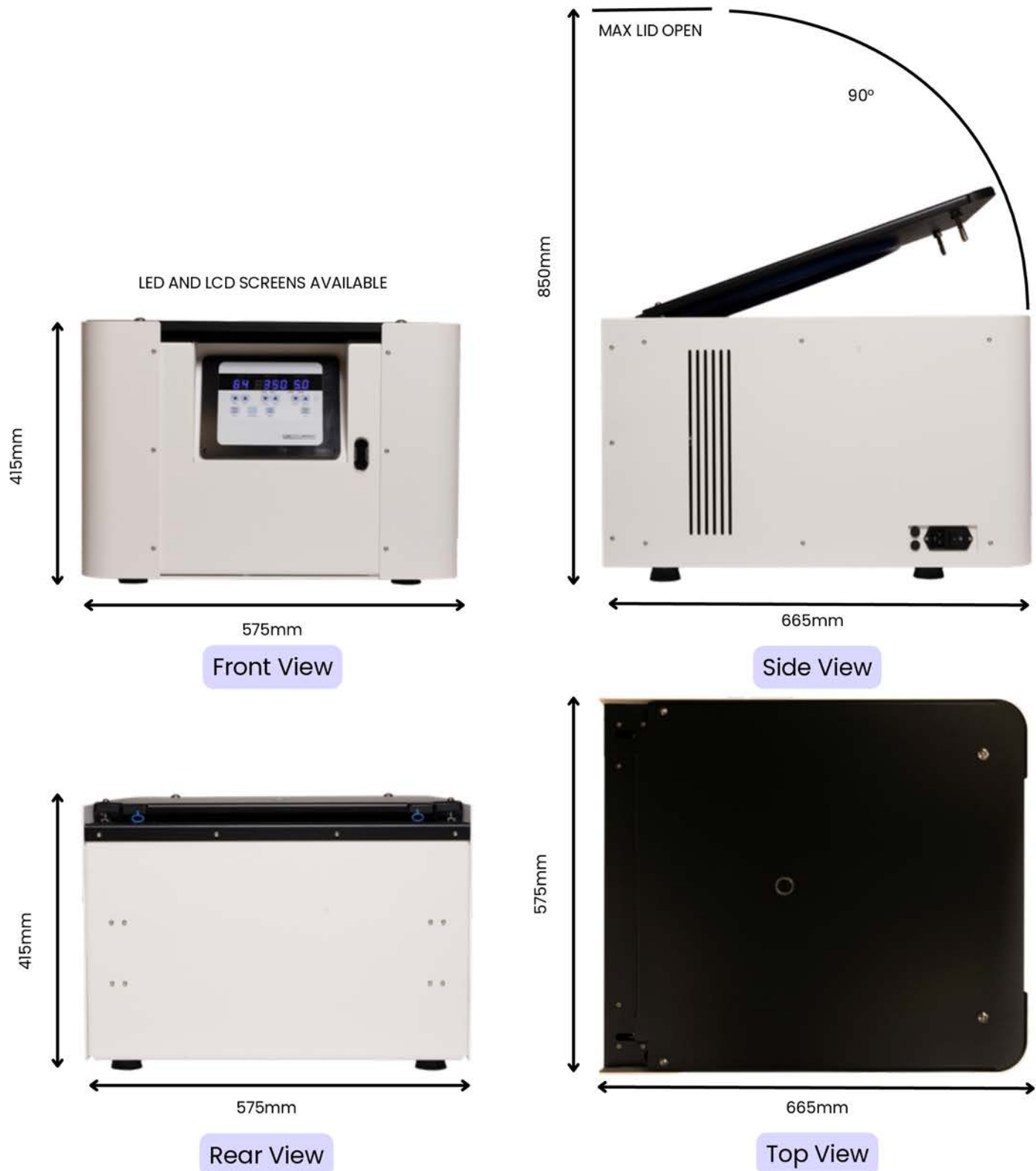
The Microtiter Rotor is a high-performance rotor for microplate centrifugation, ideal for ELISA, PCR, and other assay workflows. It offers rapid spin-down, low vibration, and secure plate clamping for reliable results, while its robust, corrosion-resistant construction ensures long-lasting, safe use in busy laboratories.



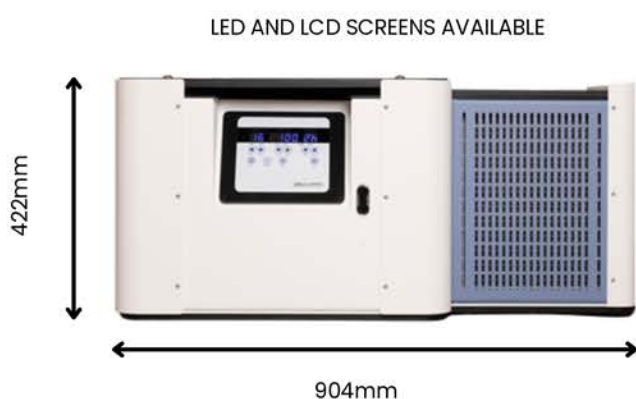
C-R-MT5540 with included buckets.

Rotor	C-R-MT5540
Buckets	Complete with buckets, Available with 4 x STD Plates
Tube Size	85mm x 128mm
RCF Range (g)	10-2500
Maximum RPM	3500
Radius Max (cms)	14
Sample Tube Angle °	0°C (10)
Acceleration Time (secs)	30
Deceleration Time (secs)	30
Min. Temp @ Max Speed	0°C
Autoclavable (frequency)	121°C (10)

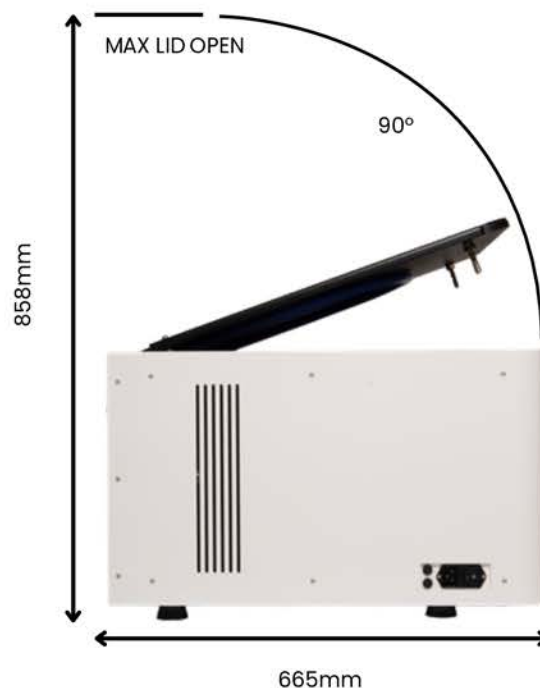
LARGE AMBIENT CENTRIFUGE DIMENSIONS



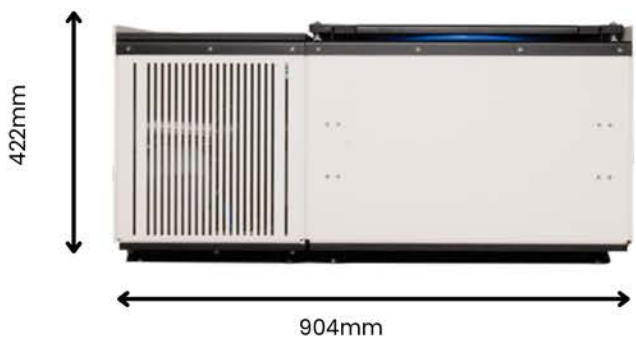
LARGE REFRIGERATED CENTRIFUGE DIMENSIONS



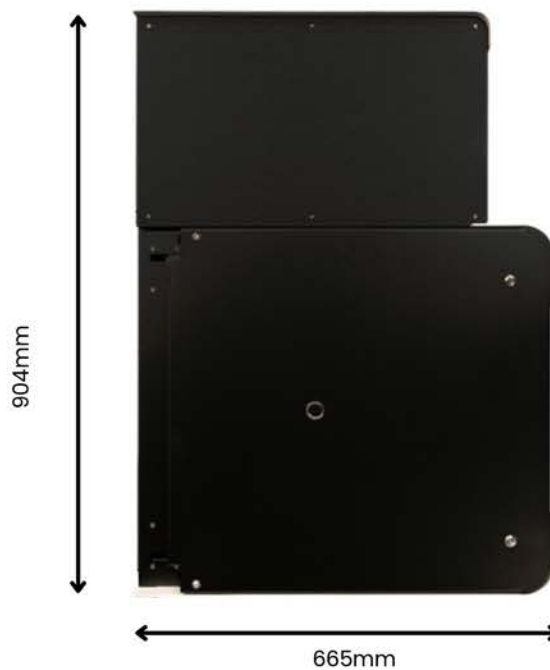
Front View



Side View

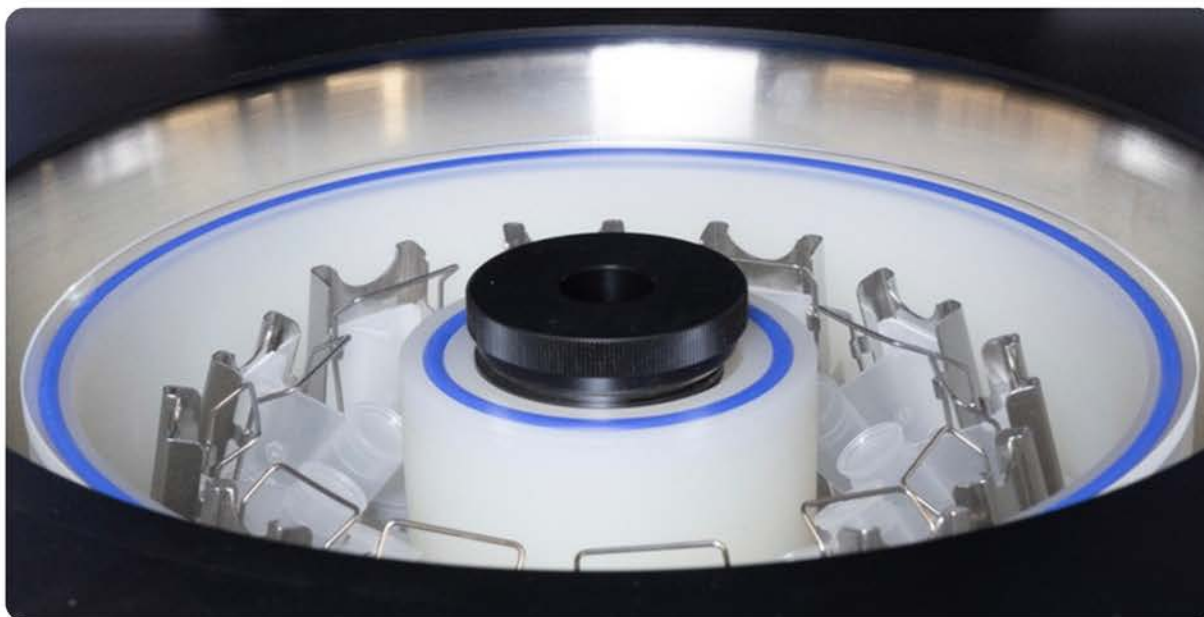


Rear View



Top View

Cytology & Other Rotor Options



Centurion Scientific also offer a separate comprehensive range of other centrifuges and rotors designed for specialist applications – including Cytology – ensuring consistent, high-quality results across diverse laboratory environments.

Cytology Features

- Specialist 4, 6 and 8-place cytology rotors
- Available in Micro and Small sizes
- 10–530 RCF in 10-step increments
- Range of sample holder accessories
- Starter pack included with purchase
- World leading industrial grade inverter



Centurion Series Available

Discover the complete range of Centurion centrifuges on our website, where you'll find every series presented including technical specifications and rotor options. For dedicated Cytology products, including specialist rotors, sample holders, and starter packs, please visit the link below:

[Cytology Centrifuges](#)

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