

Welcome to the Medium Centrifuge Range

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LED MEDIUM CENTRIFUGES TO 1.0 LITRE MAX

Centurion’s Medium Centrifuges accommodate up to 1.0 L of samples, making them ideal for analysing larger sample volumes. Rotors are purchased separately, providing full flexibility to accommodate a wide range of sample sizes.



Medium LED Ambient Centrifuge

RPM	15,000 RPM max (10 RPM steps)
RCF	10 - 22,000
Timer	0-9hours & Hold (30 sec steps)
Dims (WxDxH)	440 x 563 x 330mm
Weight	34 Kg (without rotor)
Power	275 Watts
Memory	99 programs
Accel rates	10 programs
Decel rates	10 programs

PART NUMBERS Ambient LED Centrifuge
 C-MEDIUM 230V 50/60Hz (previously C4000)
 C-1.MEDIUM 110V 50/60Hz (previously 1.C4000)
 Alternative plug types available.



Medium LED Refrigerated Centrifuge

RPM	15,000 RPM max (10 RPM steps)
RCF	10 - 22,000
Timer	0-9hours & Hold (30 sec steps)
Dims WxDxH	435 x 660 x 337mm
Weight	60 Kg (without rotor)
Power	625 Watts
Memory	99 programs
Accel Rates	10 programs
Decel Rates	10 programs
Temp Range	-10C to 40C PID controlled to +/- 1C

PART NUMBERS Refrigerated LED Centrifuge
 C-MEDIUM.R 230V 50/60Hz (previously C4000R)
 C-1.MEDIUM.R 110V 60Hz (previously 1.C4000R)
 Alternative plug types available.

LCD MEDIUM CENTRIFUGES TO 1.0 LITRE MAX

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

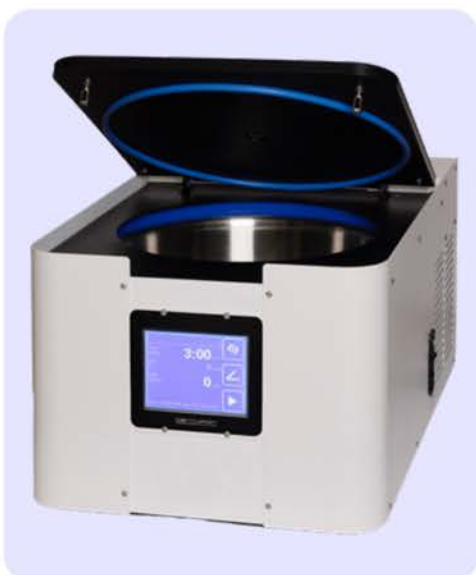


Medium LCD Ambient Centrifuge

RPM	15,000 RPM max (10 RPM steps)
RCF	10 - 22,000
Timer	0-9hours & Hold (30 sec steps)
Dims (WxDxH)	440 x 563 x 330mm
Weight	34 Kg (without rotor)
Power	275 Watts
Memory	99 programs
Accel rates	10 programs
Decel rates	10 programs

PART NUMBERS Ambient LCD Centrifuge

C-MEDIUM-LCD 230V 50/60Hz (previously K241)
 C-1.MEDIUM-LCD 110V 50/60Hz (previously 1.K241)
 Alternative plug types available.



Medium LCD Refrigerated Centrifuge

RPM	15,000 RPM max (10 RPM steps)
RCF	10 - 22,000
Timer	0-9hours & Hold (30 sec steps)
Dims WxDxH	435 x 660 x 337mm
Weight	60 Kg (without rotor)
Power	625 Watts
Memory	99 programs
Accel Rates	10 programs
Decel Rates	10 programs
Temp Range	-10C to 40C PID controlled to +/- 1C

PART NUMBERS Refrigerated LCD Centrifuge

C-MEDIUM.R-LCD 230V 50/60Hz (previously K241R)
 C-1.MEDIUM.R-LCD 110V 60Hz (previously 1.K241R)
 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	N/A	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)

HAEMATOCRIT & MICROTUBE ROTOR

The Haematocrit and Microtube Rotor spins capillary tubes and 2 ml tubes, offering maximum flexibility without the need to change rotors. It provides a maximum force of 15,800 RCF, programmable in 10 RCF increments for full control and versatility.



C-R-FA5401 with included sealed lid.

Rotor	C-R-FA5401
Rotor Type	24 x capillary & 12 x 2ml
Tube Size	2 x 75mm & 11 x 40mm
RCF Range	10-15,800
Maximum RPM	13,000
Max Radius (cms)	8.4
Sample Tube Angle °	0 & 60
Acceleration Time (secs)	25
Deceleration Time (secs)	25
Min. Temp @ Max Speed	0°C
Reducers Available	C-RC-RS04, C-RC-RS05
Sealed Lid Included?	Yes
Spare Lid Part No.	C-RL-5401
Autoclavable (frequency)	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



CONSUMABLES

Part Number	Description
01604-00	Plain Capillary tubes pack 10 x 100
01603-00	Heparanised Capillary tubes pack 10 x 100
01503-00	Sealing Clay Pk 10
C-P-8011	Rim seal Gasket Pk 10 - <i>Replace regularly every 2 months</i>

ACCESSORIES

Part Number	Description
01502-00	PCV Reader

HIGH SPEED FIXED ANGLE ROTORS

Centurion offers two high-speed fixed-angle rotors for the Medium Centrifuges, available for 15 ml and 50 ml sample sizes. Both rotors have a maximum speed of 10,600 RCF, or 10,000 RPM.







C-R-FA5212 rotor with included sealed lid.



C-R-FA5212 rotor without included lid.

Rotor	C-R-FA5212	C-R-FA5206
Rotor Type	12 x 15ml	6 x 50ml
Tube Size Max	17 x 120mm	30 x 120mm
RCF Range (g)	10-10,600	10-10,600
Maximum RPM	10,000	10,000
Max Radius (cms)	9.5	9.5
Sample Tube Angle °	60	60
Acceleration Time (secs)	180	180
Deceleration Time (secs)	25	25
Min. Temp @ Max Speed	0°C	0°C
Reducers Available	RM05, RM10	RM15, RM25
Sealed Lid Included?	Yes	Yes
Spare Lid Part No.	C-RL-1440	C-RL-1440
Autoclavable (frequency)	121°C (10)	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

LOW SPEED FIXED ANGLE ROTORS

Centurion offers three low-speed fixed-angle rotors for the Medium 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-FA5308 rotor with included sealed lid.



C-R-FA5308 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	6,000	6,000	6,000
Max Radius (cms)	12	12	12
Sample Tube Angle °	35	35	30
Acceleration Time (secs)	30	30	30
Deceleration Time (secs)	35	35	35
Min. Temp @ Max Speed	-6°C	-6°C	-6°C
Reducers Available	RM05, RM10	RM15, RM25	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
					

4 PLACE SWING OUT ROTOR

For larger-volume samples where cell viability is critical, Centurion recommends the four-place swing-out rotor. It accommodates up to 4 × 250 ml tubes, with a maximum total capacity of 1000 ml, and can spin up to 2,600 RCF.



C-R-SO1001 rotor with C-B-5251 buckets sold separately and adaptor sold separately.



C-R-SO1001 rotor with C-B-5251 buckets sold separately, and optional lids sold separately.

Rotor/Buckets	C-R-SO1001 & C-B-5251 Buckets
Tube Size Max	62 x 100mm
RCF Range (g)	10-2,600
Maximum RPM	4,000
Max Radius (cms)	14.6cm
Sample Tube Angle °	0
Acceleration time (secs)	25
Deceleration time (secs)	35
Min. Temp @ Max Speed	0°C
Sealed Lid Included?	No
Spare Lid Part No.	C-BL-B5519
Buckets Required	C-B-1105
Autoclavable (frequency)	121°C (10)

Centurion offers a wide range of adaptors for the C-R-SO1001 rotor, compatible with different tube types, shapes, and sizes. Purchase of these adaptors is required for this rotor. Please refer to the following page to select the most suitable adaptors for your needs.

ADAPTORS FOR C-R-SO1001

Tube Type: Micro with cap. Shape: Point

Capacity	Size. mm	Part Number	Historic Part Number	Tubes Per Rotor
0.5ml	8 x 20	C-A-AM605-1	AM605-1	104
1.5ml	11 x 38	C-A-AM620-1	AM620-1	72
2.0ml	11 x 38	C-A-AM620-1	AM620-1	72
0.2ml	6 x 20	C-A-AM602-1	AM602-1	144
0.4ml	6 x 30	C-A-AM604-1	AM604-1	144

Tube Type: Plain no cap. Shape: Round

1ml	6 x 45	C-A-AR601-1	AR601-1	36
3ml	10 x 60	C-A-AR603-1	AR603-1	28
5ml	12 x 75	C-A-AR605-1	AR605-1	20
6ml	12 x 82	C-A-AR606-1	AR606-1	20
7ml	12 x 100	C-A-AR607-1	AR607-1	20
9/10ml	14 x 100	C-A-AR609-1	AR609-1	20
15ml	17 x 100	C-A-AR615-1	AR615-1	16
25ml	24 x 100	C-A-AR625-1	AR625-1	12
50ml	34 x 100	C-A-AR650-1	AR650-1	4
100ml	45 x 100	C-A-AR6100-1	AR6100-1	4
125ml	52 x 100	C-A-AR6150-1	AR6150-1	4

Tube Type: Falcon with cap. Shape: Point

15ml	17 x 120	C-A-AF615-1	AF615-1	16
50ml	29 x 115	C-A-AF 650-1	AF650-1	4

Tube Type: Falcon with cap. Shape: Square

12ml	17 x 100	C-A-AFS612-1	AFS612-1	12
15ml	17 x 120	C-A-AFS615-1	AFS615-1	12
25ml	25 x 90	C-A-AFS625-1	AFS625-1	4
30ml	25 x 110	C-A-AFS630-1	AFS630-1	4
50ml	29 x 115	C-A-AFS650-1	AFS650-1	4

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

10ml	15 x 80	C-A-ANO610-1	ANO610-1	16
30ml	26 x 95	C-A-ANO630-1	ANO630-1	4
50ml	29 x 107	C-A-ANO650-1	ANO650-1	4
100ml	38 x 114	C-A-ANO6100-1	ANO6100-1	4

Tube Type: Nalgene. Oakridge with cap. Shape: Flat

250ml	62 x 122	C-A-AC62130	AC62130	4
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Tube Type: Monovette. Shape: Square

1.1-1.4ml	8 x 82	C-A-AM6014-1	AM6014-1	52
2.7-3ml	11 x 82	C-A-AM645-1	AM645-1	52
2.6-2.9ml	13 x 81	C-A-AM629-1	AM629-1	28
4.5-5ml	11 x 108	C-A-AM603-1	AM603-1	52
7.5-8.2ml	13 x 106	C-A-AM679-1	AM679-1	28
4.5-5ml	15 x 92	C-A-AM650-1	AM650-1	20
9-10ml	16 x 108	C-A-AM690-1	AM690-1	20

Tube Type: Vacutainer. Shape: Round

1.6-5ml	13 x 82	C-A-AV616-1	AV616-1	28
4-7ml	13 x 106	C-A-AV650-1	AV650-1	28
7-9ml	15 x 92	C-A-AV670-1	AV670-1	16
8.5-10ml	16 x 108	C-A-AV680-1	AV680-1	20

Tube Type: Vacuette. Shape: Round

1.6-5ml	13 x 82	C-A-AV616-1	AV616-1	28
4-7ml	13 x 106	C-A-AV650-1	AV650-1	28
7-9ml	15 x 92	C-A-AV670-1	AV670-1	16
8.5-10ml	16 x 108	C-A-AV680-1	AV680-1	20

8 PLACE SWING OUT ROTOR

For medium samples requiring maximum cell viability, the eight-place swing-out rotor is an excellent choice and can be combined with reducers to suit on your capacity requirements.



C-R-SO5508 rotor with C-B-1105 buckets, sold separately.

Rotor	C-R-SO5508
Capacity	8 x 15ml
Tube Size	17 x 100mm max
RCF Range (g)	10-2,470 RCF
Maximum RPM	4,000
Max Radius (cms)	14.6
Sample Tube Angle °	0
Acceleration Time (secs)	15
Deceleration Time (secs)	15
Min. Temp @ Max Speed	0°C
Buckets Required	C-B-1105
Autoclavable (frequency)	121°C (10)

REDUCERS - SET OF 4

Please find our range of reducers, compatible with the C-B-1105 buckets.

Tube Type: Micro with Cap. Shape: Point

Capacity	Size (mm)	Part Number	Historic Part No.	RCF (g) Max
0.2ml	6 x 20	C-RC-5508A & C-RC-5508J	R8.620	1000
0.4ml	6 x 30	C-RC-5508A & C-RC-5508J	R8.630	1180
0.5ml	8 x 20	C-RC-5508B & C-RC-5508J	R8.720	1000
1.5ml	11 x 38	C-RC-5508J	R8.1138	1325
2.0ml	11 x 38	C-RC-5508J	R8.1138	1325



Tube Type: Plain no Cap. Shape: Round

5ml	12 x 75	C-RC-5508J	R8.1275	1500
6ml	12 x 82	C-RC-5508J	R8.1282	1500
7ml	12 x 100	C-RC-5508L	R8.12100	1825
9-10ml	14 x 100	C-RC-5508M	R8.12100	1825
10ml	15 x 80	C-RC-5508K	N/A	1470
15ml	17 x 100	Not required	R8.17100	2150



Tube Type: Nalgene & Oakridge with cap. Shape: Round

10ml	15 x 80	C-RC-5508D	R8.1580	1500
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Tube Type: Monovette. Shape: Square

1.1-1.4ml	8 x 82	C-RC-5508B & C-RC-5508J	R8.882	1700
2.7-3ml	11 x 82	C-RC-5508J	R8.1182	1470
2.6-2.9ml	13 x 81	C-RC-5508K	R8.1381	1470
4.5-5ml	15 x 92	C-RC-5508M	R8.11108	1825
7.8-8.2ml	13 x 106	C-RC-5508M	R8.13106	1825
4.5-5ml	15 x 92	C-RC-5508K	R8.1592	1950
8.5 - 10ml	16 x 108	Not required	R8.16108	2470



Tube Type: Vacutainer. Shape: Round

1.6-5ml	13x 82	C-RC-5508K	R8.1382	1470
4-7ml	13 x 106	C-RC-5508M	R8.13106	1825
7-9ml	15 x 92	C-RC-5508M	R8.1592	1470
8.5-10ml	16 x 106	Not required	R8.16108	2150



MICROTITER PLATE ROTOR

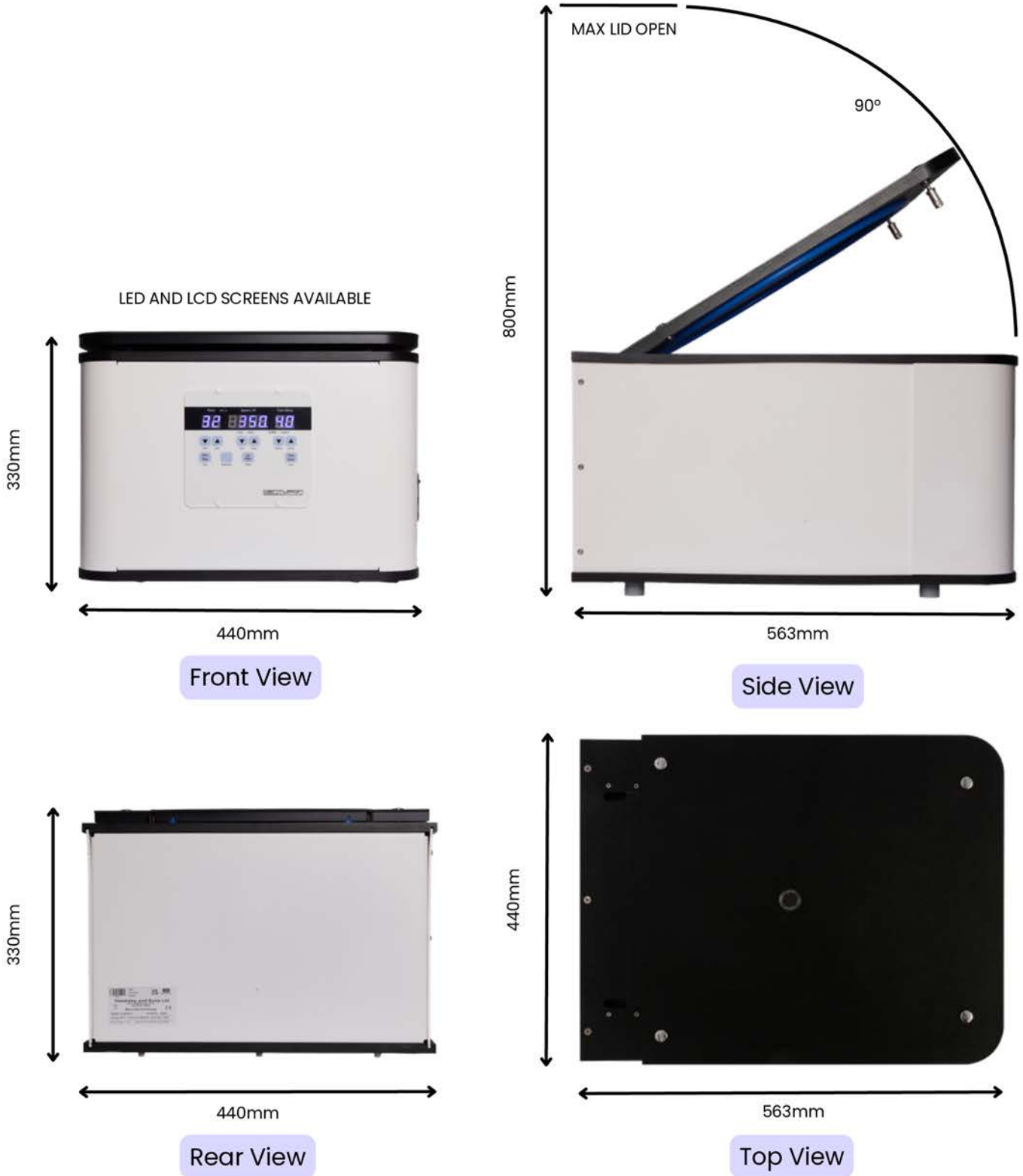
The Microtiter Rotor is a high-performance rotor for microplate centrifugation, ideal for ELISA, PCR, and other assay workflows. It offers rapid spin-down, low vibration, and secure plate clamping for reliable results, while its robust, corrosion-resistant construction ensures long-lasting, safe use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

MEDIUM AMBIENT CENTRIFUGE DIMENSIONS



MEDIUM REFRIGERATED CENTRIFUGE DIMENSIONS

