

# Welcome to the Floor Standing Centrifuge Range

Floor Standing Centrifuges 63-64

Microtube Rotors 65-66

4 Place Swing Out Rotor & Adaptors 67-69

Fixed Angle Rotors 70-72

Microtiter Plate Rotor 73

Centrifuge Dimensions 74-75

## LED FLOOR CENTRIFUGES TO 4L

Centurion’s Floor-Standing Centrifuges are the largest in the Pro-Analytical series, accommodating up to 4 L of samples. Rotors are purchased separately, providing full flexibility to analyse a wide range of sample sizes.



### Floor LED Ambient Centrifuge

RPM	15,000 RPM (10 RPM steps)
RCF	10 - 22,000
Timer	0-9hours (30sec steps)
Dims WxDxH	575 x 665 x 875mm
Weight	135kg (without rotor)
Power	1200 Watts
Memory	99 programs
Accel rates	10 programs
Decel Rates	10 programs

**PART NUMBERS Ambient LED Centrifuge**  
 C-FLOOR 230V 50/60Hz. (previously CFS4)  
 C-1.FLOOR 110V 50/60Hz (previously 1.CFS4)  
 Alternative plug types available.



### Floor LED Refrigerated Centrifuge

RPM	15,000 RPM (10 RPM steps)
RCF	10 - 22,000
Timer	0-9 hours (30 sec steps)
Dims WxDxH	575 x 665 x 875mm
Weight	197Kg (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-FLOOR.R 230V 50/60Hz. (previously CFS4R.)  
 C-1.FLOOR.R 110V 60Hz (previously 1.CFS4R)  
 Alternative plug types available.

## LCD FLOOR CENTRIFUGES TO 4L

Centurion also offers the floor standing centrifuge with an LCD touchscreen, accommodating up to 4 L of samples. Rotors are purchased separately, providing full flexibility to analyse a wide range of sample sizes.



### Floor LCD Ambient Centrifuge

RPM	15,000 RPM max (10 RPM steps)
RCF	10 - 22,000
Timer	0-9 hours & hold (30sec steps)
Dims WxDxH	575 x 665 x 875mm
Weight	135kg (without rotor)
Power	1200 Watts
Memory	99 programs
Accel rates	10 programs
Decel Rates	10 programs

#### PART NUMBERS Ambient Centrifuge

C-FLOOR-LCD 230V 50/60Hz. (previously K2FS)  
 C-1.FLOOR-LCD 110V 50/60Hz (previously 1.K2FS)  
 Alternative plug types available.



### Floor LCD Refrigerated Centrifuge

RPM	15,000 RPM (10 RPM steps)
RCF	10 - 22,000
Timer	0-9 hours & Hold (30 sec steps)
Dims WxDxH	575 x 665 x 875mm
Weight	197Kg (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 Centrifuge

C-FLOOR.R-LCD 230V 50/60Hz. (previously K2FS4R)  
 C-1.FLOOR.R-LCD 110V 60Hz. (previously 1.K2FS4R)  
 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, which accommodates 4 × 1,000 ml tubes, depending on the buckets required, with a maximum total capacity of 4L.



C-R-SO3000 rotor with C-B-4001 buckets sold separately.



C-B-4001 buckets with optional lids C-BL-B5319 sold separately.

### C-R-SO3000

Historic Part Number	BRK3000
Capacity (Options)	4L Max Capacity
Max RPM	4000 RPM

### Buckets

C-B-4001	4 x 1000ml buckets
C-BL-B5319	Optional sealed lids

Rotor/Bucket	C-R-SO3000 + C-B-4001
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Tube Size Max	98 x 180mm
RCF Range (g)	10-4500
Maximum RPM	4000
Max Radius (cm)	22.5
Sample Tube Angle °	0
Acceleration Time (secs)	40
Deceleration Time (secs)	40
Min. Temp @ Max Speed	4°C
Sealed Lid Included?	No
Spare Lid Part No.	C-BL-B5319
Autoclavable (frequency)	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-4001

### 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-AM805-4	AM805-4	288
1.5ml	11 x 38	C-A-AM820-4	AM820-4	184
2.0ml	11 x 38	C-A-AM820-4	AM820-4	184
0.2ml	6 x 20	C-A-AM802-4	AM802-4	336
0.4ml	6 x 30	C-A-AM804-4	AM804-4	336

### Tube Type: Plain no Cap. Shape: Round

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

### Tube Type: Falcon with Cap. Shape: Point

15ml	17 x 120	C-A-AF815-4	AF815-4	36
50ml	29 x 115	C-A-AF850-4	AF850-4	24
175ml	61 x 118	C-A-AF8175-4	AF8175-4	4

### Tube Type: Falcon with Cap. Shape: Square

12ml	17 x 100	C-A-AFS812-4	AFS812-4	48
15ml	17 x 120	C-A-AFS815-4	AFS815-4	48
25ml	25 x 90	C-A-AFS825-4	AFS825-4	28
30ml	25 x 110	C-A-AFS830-4	AFS830-4	28
50ml	29 x 115	C-A-AFS850-4	AFS850-4	24

### Tube Type: Corning with Cap. Shape: Point

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

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

10ml	15 x 80	C-A-ANO810-4	ANO810-4	64
30ml	26 x 95	C-A-ANO830-4	ANO830-4	28
50ml	29 x 107	C-A-ANO850-4	ANO850-4	24
100ml	38 x 106	C-A-ANO8100-4	ANO8100-4	12
250ml	62 x 133	C-A-ANO8250-4	ANO8250-4	4

### Tube Type: Herolab with Cap. Shape: Square

250ml	62 x 122	C-A-ANO8252-4	ANO8252-4	4
500ml	98 x 114	C-A-AH2695R	AH2695R	4 No Lid
750ml	98 x 136	C-A-AH2695R	AH2695R	4 No Lid
950ml	100 x 155	C-A-AH2695R	AH2695R	4 No Lid

### Tube Type: Monovette. Shape: Square

1.1-1.4ml	8 x 82	C-A-AM801-4	AM801-4	112
2.7-3ml	11 x 82	C-A-AM803-4	AM803-4	76
2.6-2.9ml	13 x 81	C-A-AM829-4	AM829-4	76
4.5-5ml	11 x 108	C-A-AM845-4	AM845-4	76
7.5-8.2ml	13 x 106	C-A-AM879-4	AM879-4	76
4.5-5ml	15 x 92	C-A-AM850-4	AM850-4	64
9-10ml	16 x 108	C-A-AM890-4	AM890-4	64

### Tube type: Vacutainer. Shape: Round & Vacuette

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

# HIGH VOLUME FIXED ANGLE ROTOR

For high-volume samples, Centurion offers the six-place fixed-angle rotor for the Floor 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, RM85-100
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 -100
Capacity (ml):	50ml	85-100ml
Tube Size Max:	30 x 110mm	39 x 110mm

## HIGH SPEED FIXED ANGLE ROTORS

Centurion offers three high-speed fixed-angle rotors for the Floor 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.



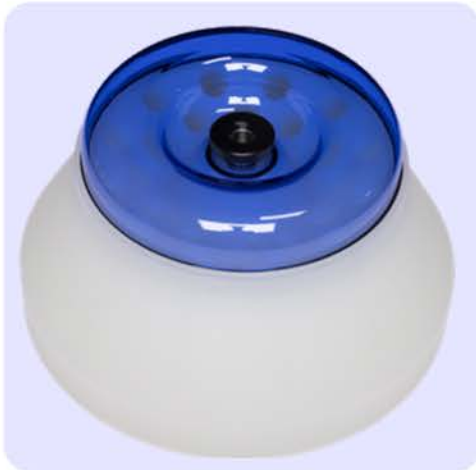
C-R-FA5224 rotor without included sealed lid.

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 Floor 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)

# FLOOR AMBIENT CENTRIFUGE DIMENSIONS

LED AND LCD SCREENS AVAILABLE



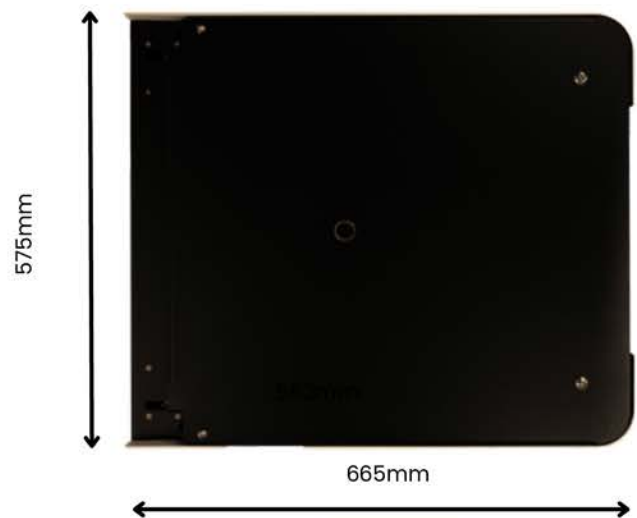
Front View



Side View



Rear View



Top View

# FLOOR REFRIGERATED CENTRIFUGE DIMENSIONS

LED AND LCD SCREENS AVAILABLE



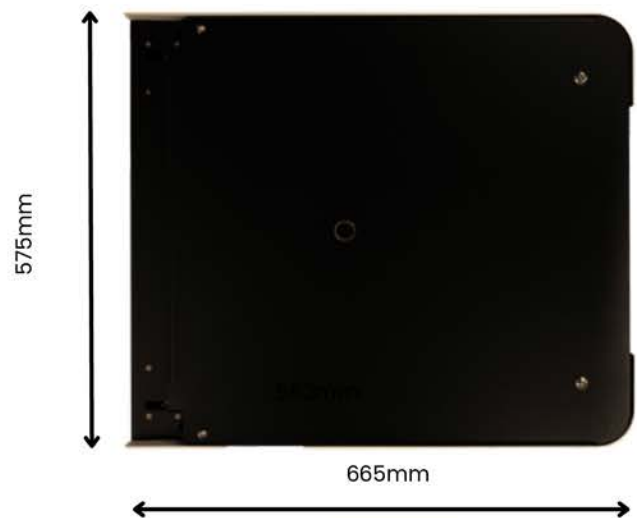
Front View



Side View



Rear View



Top View