

# центры и для исследовательских лабораторий PrO Research

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Small models	Page 16
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Overlay colour  
Teal for 2020 models

Ambient model shown  
Refrigerated similar with  
temperature area added

# PrO-Research Centrifuge Features

Built to last, these Centrifuges have strong construction yet, offer 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 2 year warranty as standard.



CE marked and ISO 9001 & 13485

User features to PrO-Analytical series	Advantages
LCD touch screen control	Clarity & ease of use
Rotor recognition	Safe selection of rotors
10 acceleration rates & 10 deceleration rates	Sample assistance
99 program memory	Multi department & Users
Timer 0-99, Hours & Hold in 1 second increments	Total flexibility
Pulse short run	Fast pelleting
Run in speed (rpm) or rcf (G) in 10 rpm increments	Accuracy
Orientation acceleration rate	Prevents initial sample side deposits
Sound <60db (rotor dependent)	Quiet

Standard features to PrO-Analytical series	Advantages
Extra thick metal bowl or acrylic (ambient)	Easy clean & rust free
Port to lid	Tachometer speed certification
Acrylic sides & Barrier ring steel frame	Strong light & quiet
World leading industrial grade inverter	Reliability & strength
Best quality European brushless motor	Quiet, cool & reliable
High technology airflow (ambient mode)	Cooler running

All centrifuges have user accessible service sections to access all safety parameters

Safety features to PrO-Analytical series	Advantages
Multi point lid locking	Lid safety
Emergency lid release	Power failure release
Lid Spring Strut	Lid dropping safety
Lid lock detection	To run, lid must be shut
Imbalance detection	Stops the run if out of balance
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

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

# 4

## Refrigerated Centrifuges

### Dynamics rooted in innovation

Accuracy and control using less power.

#### How?

Centurion Scientific Ltd keep the compressor running constantly, sounds odd but this method increases compressor life and reduces power dramatically.

Constantly turning a compressor on and off means a huge surge of power on each action. plus poor temperature control. See graph below, to control the accuracy to an unprecedented level we balance and control with a heater. This is controlled by a PID system offering top level control.

#### Why?

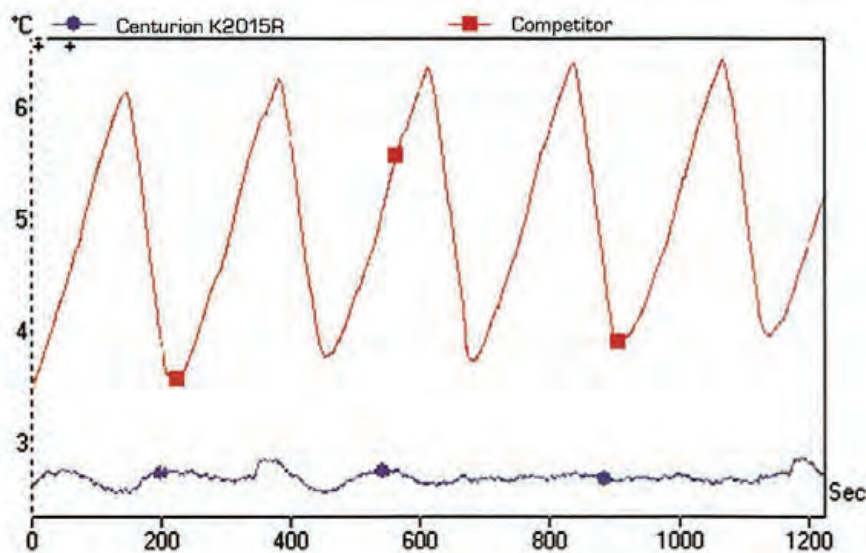
Imagine using a shower, you turn on both hot water and cold to reach your desired temperature. You would not stand in cold water, then hot to regulate temperature. By using both cold and hot we “balance” the set temperature. As we have been using this method for over 27 years it is a proven technology.

#### Pro

See the graph below.

Centurion is set at 3C and a well known competitor at 4C to differentiate.

As you can clearly see our system has control and repeatability beyond our competition.



## **Why Does my Centrifuge and accessories need servicing?**

A yearly service validates your warranty. As with every appliance you purchase servicing extends the lifetime of the product and negates the need for constant replacement. Which in turn equals money saving.

We appreciate how hard your Centrifuge is used and how it is an imperative tool for your laboratory.

Downtime is therefore not acceptable

However if it is regularly maintained you improve its reliability and extend its life Our Pro-Care parts offer you all that is needed to service our Centrifuges correctly. Full instructions on replacement and any necessary adjustments are included

Using a third party service company without training and the correct parts is not acceptable. All our distributors, for products sold outside of the UK have received training and authority to service our centrifuges.

## **NOTE**

Centrifuges can be dangerous.

Although Centurion Scientific Ltd has an exceptional reputation , if a rotor lid or poor seals are not replaced regularly, breakage, can result in severe damage further.

Servicing of our Centrifuges are also a requirement to validate your warranty, authorised distributors and Centurion Scientific Ltd parts are to be used.

# K1015 & K1015R

## 6 Micro Centrifuges to 0.2Litre max

### Prime multi rotor Centrifuge

Display indicative only



See pages 12-13 for Dual (single rotor models) complete

#### Ambient Centrifuge

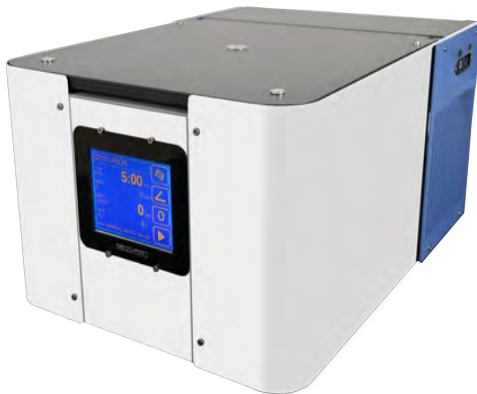
<b>Speed</b>	15,000 Rpm max (1 Rpm steps)
<b>Rcf Max</b>	10 - 22,000G
<b>Timer</b>	0-99hours & Hold (1 sec steps)
<b>Dims HWD</b>	280 x 240 x 360mm
<b>Weight</b>	12.8 Kg (without rotor)
<b>Power</b>	125 Watts
<b>Memory</b>	99 programs
<b>Accel rates</b>	10 programs
<b>Decel rates</b>	10 programs

#### PART NUMBERS

K1015 (230V50/60Hz)  
1.K1015 (110V 60Hz)

**(Rotor required)** see the following pages

Display indicative only



#### Refrigerated Centrifuge

<b>Speed</b>	15,000 Rpm max (1 Rpm steps)
<b>Rcf Max</b>	10 - 22,000G
<b>Timer</b>	0-99hours & Hold (1 sec steps)
<b>Dims HWD</b>	320 x 280 x 575mm
<b>Weight</b>	41.8 Kg (without rotor)
<b>Power</b>	575 Watts
<b>Memory</b>	99 programs
<b>Accel rates</b>	10 programs
<b>Decel rates</b>	10 programs
<b>Temp range</b>	-10C to 40C PID controlled to +/- 1C

#### PART NUMBERS

K1015R (230V 50/60Hz)  
1.K1015R (110V 60 Hz)

**(Rotor required)** see the following pages

# Micro rotors to 22,000 Rcf (G)

7



Sealed lid included

## Reducers pack of 4

<b>Rotor</b>	BRK5424, BRK5463, BRK5464
<b>Part number</b>	RS04 (0.2- 0.4ml)
<b>Tube size max</b>	6 x 30mm
<b>Part number</b>	RS05 (0.5ml)
<b>Tube size max</b>	8 x 30mm

Rotor	BRK5424	BRK5436	BRK5448	BRK5494
Rotor type	24 x 2.0ml	36 x 0.5ml	48 x 0.2 to 0.4ml	4 x Pcr Strips
Tube size max	11 x 40mm	8 x 30mm	6 x 40mm	6 x 40mm
Minimum Rcf (G)	10	10	10	10
Maximum Rcf (G)	22,000	22,000	22,000	22,000
Maximum Rpm	15,000	15,000	15,000	15,000
Radius max 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
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)	121°C (10)
Minimum Temperature (@ 23°C)	4°C	4°C	4°C	4°C

Rotor	BRK5463	BRK5464
Rotor type	36 x 2.0ml	18 x 2.0 & 18x 0.5ml
Tube size max	11 x 40mm	11 x 50 & 8 x 30mm
Minimum Rcf (G)	10	10
Maximum Rcf (G)	22,000	22,000
Maximum Rpm	15,000	15,000
Radius max cms	8.75cms	8.75cms
Sample tube angle °	45	45
Acceleration time (secs)	15	15
Deceleration time (secs)	15	15
Autoclavable (frequency)	121°C (10)	121°C (10)
Minimum Temperature (@ 23°C)	4°C	4°C

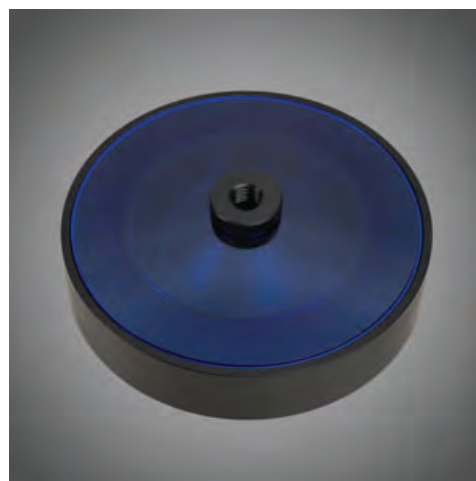
High dome Sealed Lid available Part number B5424SL  
Accepts 2ml tubes to 50mm high



# 8 Haematocrit & Micro rotor to 15,800 Rcf (G)

## PCVs for SCBU, Anemia & Vets,

Rotor	BRK5401
Rotor type Tube size max	24 x capillary & 12 x 2ml
Tube size	2 x 75mm & 11 x 40mm
Minimum Rcf (G)	10
Maximum Rcf (G)	15,800
Maximum Rpm	13,000
Radius max cms	8.4
Sample tube angle °	0 & 60
Acceleration time (secs)	25
Deceleration time (secs)	25
Autoclavable (frequency)	121°C (10)
Minimum Temperature @ 23°C	4°C



## Consumables

Part Number	Description
8012	Plain capillary tubes pack 10 x 100
8013	Heparanised capillary tubes pack 10 x 100
8014	Sealing clay Pk 10
8011	Rim seal gasket Pk 10 <a href="#">Replace regularly every 2 months</a>

## Accessories

Part Number	Description
8003	PCV reader



# Small Fixed angle rotors. 3,500 & 6,100 Rcf (G)

9

Blood. Urine, Faeces & larger sample use



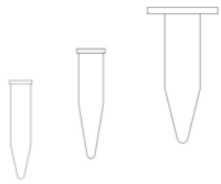
Rotor	BRK5407	BRK5408	BRK5404
Rotor type	4 x 15ml & 4 x 10ml	8 x 15ml tube	4 x 50ml tube
Tube size max	17 x 120mm & 13 x 110mm	17 x 120mm	30 x 115mm
Minimum Rcf (G)	10	10	10
Maximum Rcf (G)	6,100	3,500	3,500
Maximum Speed	8,000	6,000	6,000
Radius max cms	8.5	8.5	8.5
Sample tube angle °	30	30	30
Acceleration time (secs)	25	25	25
Deceleration time (secs)	25	25	25
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)
Minimum Temperature (@ 23°C	4°C	4°C	4°C

See the following pages for reducers, allowing a vast range of tube use ability



Sealed lid available, use in refrigerated model only  
Part number B524SL

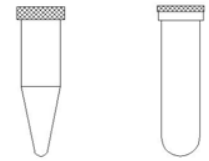
## Reducers Fixed angle rotor BRK5408 Pack of 4 (Tubes per rotor 8)



**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RS.620	2250
0.4ml	6 x 30	RS.630	2410
0.5ml	8 x 20	RS.820	2250
1.5ml	11 x 38	RS.1138	2540
2.0ml	11 x 38	RS.1138	2540



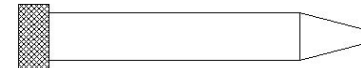
**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RS.645	2660
3ml	10 x 60	RS.1060	2940
5ml	12 x 75	RS.1275	3180
6ml	12 x 82	RS.1282	3300
7ml	12 x 100	RS.12100	3500
9/10ml	14 x 100	RS.14100	3500
15ml	17 x 100	Not required	3500



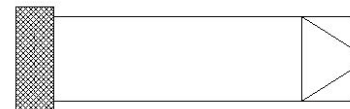
**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	Not required	3500
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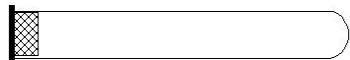
**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	Not required	3500
15ml	17 x 120	Not required	3500



**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RS.1580	3500
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**Tube type: Monovette. Shape Square**

1.1-1.4ml	8 x 82	RU.882	3300
2.7-3ml	11 x 82	RU.1182	3300
2.6-2.9ml	13 x 81	RU.1381	3500
4.5-5ml	11 x 108	RU.11108	3500
7.5-8.2ml	13 x 106	RU.13106	3500
4.5-5ml	15 x 92	RU.1592	3500
9-10ml	16 X 108	Not required	3500



**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RU.1382	3300
4-7ml	13 x 106	RU.13106	3500
7-9ml	15 x 92	RU.1592	3500
8.5-10ml	16 x 108	Not required	3500



**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RU.1382	3300
4-7ml	13 x 106	RU.13106	3500
7-9ml	15 x 92	RU.1592	3500
8.5-10ml	16 x 108	Not required	3500



## Reducers Fixed angle rotor BRK5404 Pack of 4 (tubes per rotor 4)

**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSB.620	2250
0.4ml	6 x 30	RSB.630	2410
0.5ml	8 x 20	RSB.820	2250
1.5ml	11 x 38	RSB.1138	2540
2.0ml	11 x 38	RSB.1138	2540

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSB.645	2660
3ml	10 x 60	RSB.1060	2940
5ml	12 x 75	RSB.1275	3180
6ml	12 x 82	RSB.1282	3300
7ml	12 x 100	RSB.12100	3500
9/10ml	14 x 100	RSB.14100	3500
15ml	17 x 100	RSB.17100	3500
25ml	24 x 100	RSB.24100	3500

**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUB.17120	3500
50ml	29 x 115	Not required	3500

**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUB.17100	3500
15ml	17 x 120	RUB.17120	3500
25ml	25 x 90	RUB.2590	3500
30ml	25 x 110	RUB.25110	3500
50ml	29 x 115	Not required	3500

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUB.1580	3300
30ml	26 x 95	RUB.2695	3500
50ml	29 x 107	Not required	3500

**Tube type: Monovette. Shape Square**

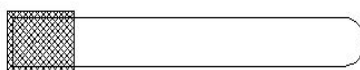
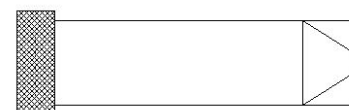
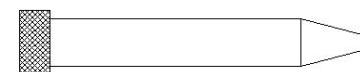
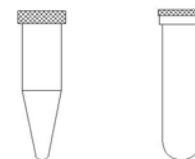
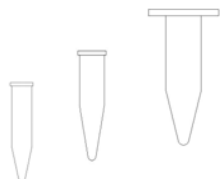
1.1-1.4ml	8 x 82	RUB.882	3300
2.7-3ml	11 x 82	RUB.1182	3300
2.6-2.9ml	13 x 81	RUB.1381	3300
4.5-5ml	11 x 108	RUB.11108	3500
7.5-8.2ml	13 x 106	RUB.13106	3500
4.5-5ml	15 x 92	RUB.1592	3500
9-10ml	16 X 108	RUB.16108	3500

**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	3300
4-7ml	13 x 106	RUB.13106	3500
7-9ml	15 x 92	RUB.1592	3500
8.5-10ml	16 x 108	RUB.16108	3500

**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	3300
4-7ml	13 x 106	RUB.13106	3500
7-9ml	15 x 92	RUB.1592	3500
8.5-10ml	16 x 108	RUB.16108	3500



# 12 Small Swing out Rotor 1520 Rcf (G)



## BRK5508S Rotor Buckets supplied (set of 8)

Capacity	8 x 5ml
Tube size	13 x 82mm max
Minimum Rcf (G)	10
Maximum Rcf (G)	1,520
Maximum Speed	4,000
Radius max cms	8.5
Sample tube angle °	0
Acceleration time (secs)	15
Deceleration time (secs)	15
Autoclavable (frequency)	121°C (10)
Minimum Temperature @ 23°C	4°C

Ideal for small Blood samples or 4.5ml general samples

## Reducers Swing out rotor BRK5508S Pack of 4 (Tubes per rotor 8)

**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

### Tube type: Micro with cap. Shape: Point

0.2ml	6 x 20	RS.620	800
0.4ml	6 x 30	RS.630	1000
0.5ml	8 x 20	RS.820	800
1.5ml	11 x 38	RS.1138	1100
2.0ml	11 x 38	RS.1138	1100

### Tube type: Plain no cap. Shape: Round

1ml	6 x 45	RS.645	1300
3ml	10 x 60	RS.1060	1520
5ml	12 x 75	RS.1275	1520
6ml	12 x 82	RS.1282	1520

### Tube type: Nalgene. Oakridge with cap. Shape: Round

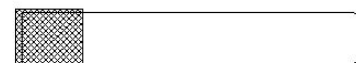
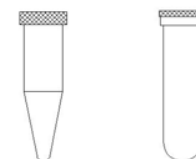
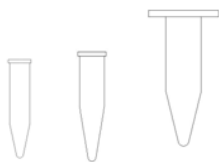
10ml	15 x 80	RS.1580	1520
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### Tube type: Monovette. Shape Square

1.1-1.4ml	8 x 82	RU.882	1520
2.7-3ml	11 x 82	RU.1182	1520
2.6-2.9ml	13 x 81	RU.1381	1520

### Tube type: Vacutainer. Shape: Round

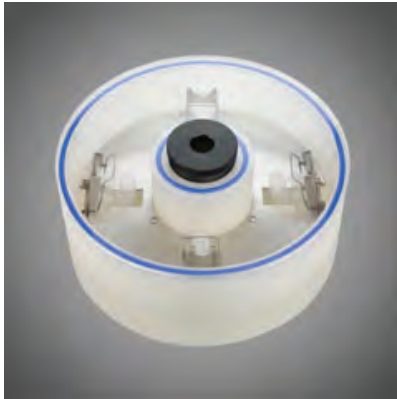
1.6-5ml	13 x 82	RU.1382	1520
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# Cytology rotor to 550Rcf (G)

13

**Cytology and Histology work** *Refrigerated model only*



Lid is in blue

Rotor	4940 (4 Place)
Rotor type	4 x 0.2 to 6ml
Tube size max	Single or double
Minimum Rcf (G)	10
Maximum Rcf (G)	550
Maximum Speed	2,500
Radius max cms	7.9
Sample tube angle °	0
Acceleration time (secs)	20
Deceleration time (secs)	20
Autoclavable (frequency)	121°C (10)
Minimum Temperature @ 23°C	4°C

Cytology rotor includes rotor, sealed lid, clips, 24 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

# 14 Micro Ambient Centrifuge and one rotor.

(one rotor use only). DUAL MODEL

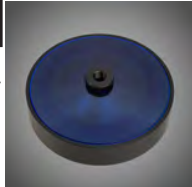
Micro tube rotors see page 7

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)	
K115A	1.K115A	BRK5424	24 x 2ml
K115B	1.K115B	BRK5436	36 x 0.5ml
K115C	1.K115C	BRK5448	48 x 0.2ml
K115D	1.K115D	BRK5494	4 x PCR
K115E	1.K115E	BRK5463	36 x 2ml
K115F	1.K115F	BRK5464	18 x 2ml & 18 x .5ml




Haematocrit rotor page 8

Part nos. 230v 50/	Part nos. 110v 60Hz	Rotor. 15,800 Rcf (G)	
K113A	1.K113A	BRK5401	24 x capillary 12 x 2ml



Fixed angle rotors page 9

Part nos. 230v 5	Part no. 110v 60Hz	Rotor. 3,500 Rcf (G)	
K106A	1.K106A	BRK5408	8 x 15ml
K106B	1.K106B	BRK5404	4 x 50ml
K106C	1.K106C	BRK5407	4 x 15ml
		<b>6,100 Rcf</b>	4 x 10ml




Swing out rotor page 12

Part nos. 230v 50/	Part nos. 110v	Rotor. 1520 Rcf (G)	
K104SO	1.K104SO	5508S	8 x 4.5ml



Cytology rotor page 13

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 550Rcf (G)	
K104CYT	1.K104CYT	4420	4 x dual



HS Fixed angle rotors

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor.
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Not available

# Micro Refrigerated centrifuge and one rotor 15

(one rotor use only)

DUAL MODEL

Micro tube rotors see page 7

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)	
K115RA	1.K115RA	BRK5424	24 x 2ml
K115RB	1.K115RB	BRK5436	36 x 0.5ml
K115RC	1.K115RC	BRK5448	48 x 0.2ml
K115RD	1.K115RD	BRK5494	4 x PCR
K115RE	1.K115RE	BRK5463	36 x 2ml
K115RF	1.K115RF	BRK5464	18 x 2ml & 18 x .5ml



Haematocrit rotor page 8

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 15,800 Rcf (G)	
K113RA	1.K113RA	BRK5401	24 x capillary 12 x 2ml



Fixed angle rotors page 9

Part nos. 230v 50/60Hz	Part no. 110v 60Hz	Rotor. 3,500 Rcf (G)	
K106RA	1.K106RA	BRK5408	8 x 15ml
K106RB	1.K106RB	BRK5404	4 x 50ml
K106RC	1.K106RC	BRK5407	4 x 15ml
		6,100 Rcf	4 x 10ml



Swing out rotor page 12

Part nos. 230v 50 Hz	Part nos. 110v 60Hz	Rotor. 1520 Rcf (G)	
K104RSO	1.K104RSO	5508S	8 x 4.5ml



Cytology rotor page 13

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 550Rcf (G)	
K104RCYT	1.K104RCYT	4420	4 x dual



HS Fixed angle rotors

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor.
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Not available

NOTE. Domed blue lids, as shown, available on refrigerated centrifuges only



## Small Centrifuges to 0.5 Litre max

### 16 Prime Multi Rotor Centrifuges

Display indicative only



#### Ambient Centrifuge

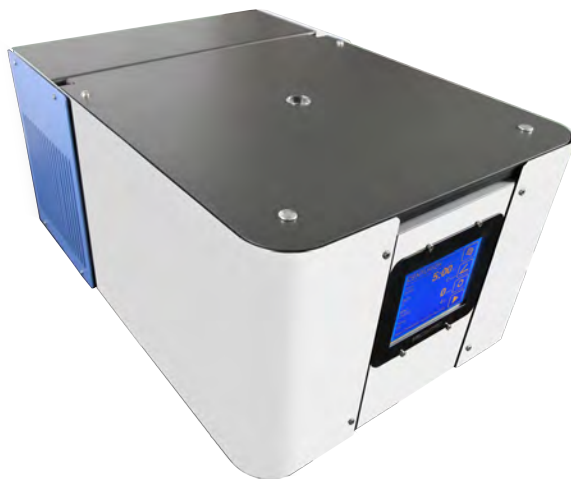
<b>Speed</b>	15,000 Rpm max (1 Rpm steps)
<b>Rcf Max</b>	10 - 22,000 G
<b>Timer</b>	0-99hours & Hold (1 sec steps)
<b>Dims HWD</b>	340 x 400 x 520mm
<b>Weight</b>	24.8 Kg (without rotor)
<b>Power</b>	175 Watts
<b>Memory</b>	99 programs
<b>Accel rates</b>	10 programs
<b>Decel rates</b>	10 programs

#### PART NUMBERS

K2015 (230V50/60Hz)  
1.K2015 (110V 60Hz)

**(Rotor required)** see the following pages

Display indicative only



#### Refrigerated Centrifuge

<b>Speed</b>	15,000 Rpm (1 Rpm steps)
<b>Rcf Max</b>	10 - 22,000 G
<b>Timer</b>	0-99hours & Hold (1 sec steps)
<b>Dims HWD</b>	330 x 435 x 650mm
<b>Weight</b>	55.8 Kg (without rotor)
<b>Power</b>	575 Watts
<b>Memory</b>	99 programs
<b>Accel rates</b>	10 programs
<b>Decel rates</b>	10 programs
<b>Temp range</b>	-10C to 40C PID controlled to +/- 1C

#### PART NUMBERS

K2015R (230V 50/60Hz)  
1.K2015R (110V 60 Hz)

**(Rotor required)** see the following pages



# Small Swing out Rotor 2200 Rcf (G)

17



## BRK5508M Rotor Buckets supplied (set of 8)

Capacity Tube size max	8 x 10ml
Maximum tube size	15 x 115mm max
Minimum Rcf (G)	10
Maximum Rcf (G)	2,200
Maximum Speed	4,000
Radius max cms	12.3
Sample tube angle °	0
Acceleration time (secs)	20
Deceleration time (secs)	20
Autoclavable (frequency)	121°C (10)

## Reducers for BRK5508M rotor

Capacity                      Size. mm                      Part Number                      Rcf (G) max

### Tube type: Micro with cap. Shape: Point

0.2ml	6 x 20	R8.620	1050
0.4ml	6 x 30	R8.630	1200
0.5ml	8 x 20	R8.820	1050
1.5ml	11 x 38	R8.1138	1400
2.0ml	11 x 38	R8.1138	1400

### Tube type: Plain no cap. Shape: Round

1ml	6 x 45	R8.645	1500
3ml	10 x 60	R8.1060	1800
5ml	12 x 75	R8.1275	2000
6ml	12 x 82	R8.1282	2000
7ml	12 x 100	R8.12100	2200
9/10ml	14 x 100	R8.14100	2200
15ml	17 x 100	R8.17100	2200

### Tube type: Nalgene. Oakridge with cap. Shape: Round

10ml	15 x 80	R8.1580	2000
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### Tube type: Monovette. Shape Square

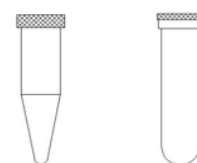
1.1-1.4ml	8 x 82	R8.882	2000
2.7-3ml	11 x 82	R8.1182	2000
2.6-2.9ml	13 x 81	R8.1381	2000
4.5-5ml	11 x 108	R8.11108	2200
7.5-8.2ml	13 x 106	R8.13106	2200
4.5-5ml	15 x 92	R8.1592	2200
9-10ml	16 X 108	R8.16108	2200

### Tube type: Vacutainer. Shape: Round

1.6-5ml	13 x 82	R8.1382	2000
4-7ml	13 x 106	R8.13106	2200
7-9ml	15 x 92	R8.1592	2200
8.5-10ml	16 x 108	R8.16108	2200

### Tube type: Vacuette. Shape: Round

1.6-5ml	13 x 82	R8.1382	2000
4-7ml	13 x 106	R8.13106	2200
7-9ml	15 x 92	R8.1592	2200
8.5-10ml	16 x 108	R8.16108	2200



# 18 Swing out Rotor 4 x 125ml Max, 2200 Rcf (G)

## BRK5506

500ml max capacity



Optional B5519 sealed lids available

[Adaptors](#) required see following page

<b>Rotor</b>	<b>BRK5506 &amp; Adaptors (set 4) Shown. REQUIRED</b>
Tube size max	48 x 98mm
Minimum Rcf (G)	10
Maximum Rcf (G)	2,200
Maximum Speed	4,000Rpm
Radius max cms	12.3cm
Sample tube angle °	0
Acceleration time (secs)	30
Deceleration time (secs)	30
Autoclavable (frequency)	121°C (20)
Minimum Temperature @ 23°C	4°C

## Adaptors for Swing out rotor BRK5506 Pack of 4

Capacity	Size. mm	Part Number	Tubes per rotor
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**Tube type: Micro with cap. Shape: Point**

0.5ml	8 x 20	AM405-5	52
1.5ml	11 x 38	AM420-5	36
2.0ml	11 x 38	AM420-5	36
0.2ml	6 x 20	AM402-5	96
0.4ml	6 x 30	AM404-5	96

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	AR401-5	36
3ml	10 x 60	AR403-5	28
5ml	12 x 75	AR405-5	20
6ml	12 x 82	AR406-5	20
7ml	12 x 100	AR407-5	20
9/10ml	14 x 100	AR409-5	20
15ml	17 x 100	AR415-5	16
25ml	24 x 100	AR425-5	12
50ml	34 x 100	AR450-5	4
100ml	45 x 100	AR4100-5	4
125ml	52 x 100	AR4125-5	4

**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	AF415-5	4
50ml	29 x 115	AF450-5	4

**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	AFS412-5	8
15ml	17 x 120	AFS415-5	4
25ml	25 x 90	AFS425-5	4
30ml	25 x 110	AFS430-5	4
50ml	29 x 115	AFS4100-5	4

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	ANO410-5	12
30ml	26 x 95	ANO430-5	4
50ml	29 x 107	ANO450-5	4
100ml	48 x 98	ANO485-5	4

**Tube type: Monovette. Shape Square**

1.1-1.4ml	8 x 82	AM4014-5	40
2.7-3ml	11 x 82	AM403-5	40
2.6-2.9ml	13 x 81	AM429-5	28
4.5-5ml	11 x 108	AM445-5	32
7.5-8.2ml	13 x 106	AM479-5	24
4.5-5ml	15 x 92	AM450-5	20
9-10ml	16 X 108	AM490-5	16

**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	AV416-5	24
4-7ml	13 x 106	AV450-5	24
7-9ml	15 x 92	AV470-5	20
8.5-10ml	16 x 108	AV480-5	16

**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	AV416-5	24
4-7ml	13 x 106	AV450-5	24
7-9ml	15 x 92	AV470-5	20
8.5-10ml	16 x 108	AV480-5	16



## 20

Medium fixed angle rotors to  
3,800 Rcf (G)

Optional Sealed lid available B5424HD

Rotor	BRK5412	BRK5406
Rotor type	12 x 15ml	6 x 50ml
Tube size max	17 x 120mm	30 x 120mm
Minimum Rcf (G)	10	10
Maximum Rcf (G)	3,800	3,800
Maximum Speed	6,000	6,000
Radius max cms	9.5	9.5
Sample tube angle °	30	30
Acceleration time (secs)	25	25
Deceleration time (secs)	25	25
Autoclavable (frequency)	121°C (10)	121°C (10)
Minimum Temperature @ 23°C	4°C	4°C

## Reducers Fixed angle rotor BRK5412 Pack of 4 (Tubes per rotor 12)

Capacity                      Size. mm                      Part Number                      Rcf (G) max

### Tube type: Micro with cap. Shape: Point

0.2ml	6 x 20	RS.620	2440
0.4ml	6 x 30	RS.630	2620
0.5ml	8 x 20	RS.820	2440
1.5ml	11 x 38	RS.1138	2760
2.0ml	11 x 38	RS.1138	2760

### Tube type: Plain no cap. Shape: Round

1ml	6 x 45	RS.645	2890
3ml	10 x 60	RS.1060	3190
5ml	12 x 75	RS.1275	3450
6ml	12 x 82	RS.1282	3580
7ml	12 x 100	RS.12100	3800
9/10ml	14 x 100	RS.14100	3800
15ml	17 x 100	Not required	3800

### Tube type: Falcon with cap. Shape: Point

15ml	17 x 120	Not required	3800
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### Tube type: Falcon with cap. Shape: Square

12ml	17 x 100	Not required	3800
15ml	17 x 120	Not required	3800

### Tube type: Nalgene. Oakridge with cap. Shape: Round

10ml	15 x 80	RS.1580	3800
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### Tube type: Monovette. Shape Square

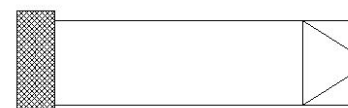
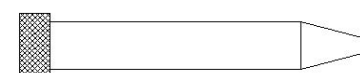
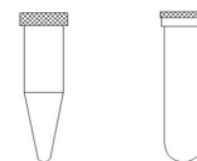
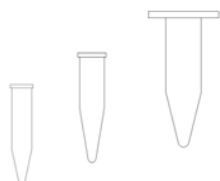
1.1-1.4ml	8 x 82	RU.882	3580
2.7-3ml	11 x 82	RU.1182	3580
2.6-2.9ml	13 x 81	RU.1381	3800
4.5-5ml	11 x 108	RU.11108	3800
7.5-8.2ml	13 x 106	RU.13106	3800
4.5-5ml	15 x 92	RU.1592	3800
9-10ml	16 X 108	Not required	3800

### Tube type: Vacutainer. Shape: Round

1.6-5ml	13 x 82	RU.1382	3580
4-7ml	13 x 106	RU.13106	3800
7-9ml	15 x 92	RU.1592	3800
8.5-10ml	16 x 108	Not required	3800

### Tube type: Vacuette. Shape: Round

1.6-5ml	13 x 82	RU.1382	3580
4-7ml	13 x 106	RU.13106	3800
7-9ml	15 x 92	RU.1592	3800
8.5-10ml	16 x 108	Not required	3800

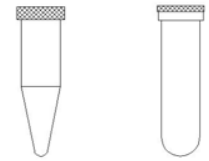


## Reducers Fixed angle rotor BRK5406 Pack of 4 (tubes per rotor 6)

Capacity                      Size. mm                      Part Number                      Rcf (G) max

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSB.620	2400
0.4ml	6 x 30	RSB.630	2600
0.5ml	8 x 20	RSB.820	2400
1.5ml	11 x 38	RSB.1138	2800
2.0ml	11 x 38	RSB.1138	2800



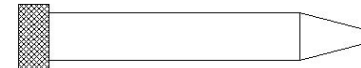
**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSB.645	2900
3ml	10 x 60	RSB.1060	3200
5ml	12 x 75	RSB.1275	3450
6ml	12 x 82	RSB.1282	3600
7ml	12 x 100	RSB.12100	3800
9/10ml	14 x 100	RSB.14100	3800
15ml	17 x 100	RSB.17100	3800
25ml	24 x 100	RSB.24100	3800



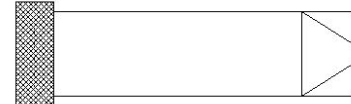
**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUB.17120	3800
50ml	29 x 115	Not required	3800



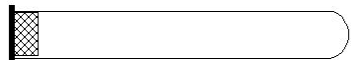
**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUB.17100	3800
15ml	17 x 120	RUB.17120	3800
25ml	25 x 90	RUB.2590	3700
30ml	25 x 110	RUB.25110	3800
50ml	29 x 115	Not required	3800



**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUB.1580	3600
30ml	26 x 95	RUB.2695	3700
50ml	29 x 107	Not required	3800



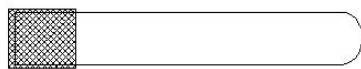
**Tube type: Monovette. Shape Square**

1.1-1.4ml	8 x 82	RUB.882	3600
2.7-3ml	11 x 82	RUB.1182	3600
2.6-2.9ml	13 x 81	RUB.1381	3600
4.5-5ml	11 x 108	RUB.11108	3800
7.5-8.2ml	13 x 106	RUB.13106	3800
4.5-5ml	15 x 92	RUB.1592	3800
9-10ml	16 X 108	RUB.16108	3800



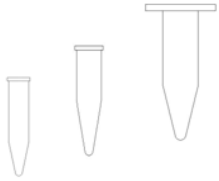
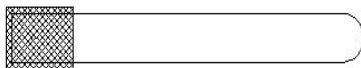
**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	3600
4-7ml	13 x 106	RUB.13106	3800
7-9ml	15 x 92	RUB.1592	3700
8.5-10ml	16 x 108	RUB.16108	3800



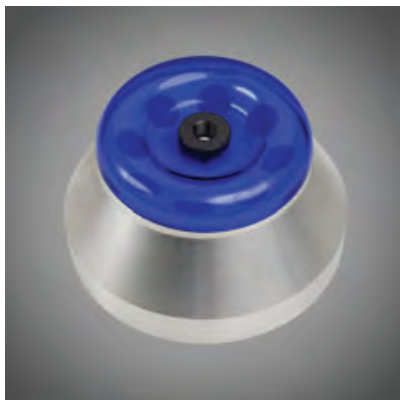
**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	3600
4-7ml	13 x 106	RUB.13106	3800
7-9ml	15 x 92	RUB.1592	3700
8.5-10ml	16 x 108	RUB.16108	3800



# High speed Fixed angle rotors to 9,500 Rcf (G)

23



Sealed Lid included

Rotor	BRK5207	BRK5202	BRK5204
Rotor type	4 x 15ml & 4 x 10ml	8 x 15ml tube	4 x 50ml tube
Tube size max	17 x 120mm & 13 x 110mm	17 x 120mm	30 x 115mm
Minimum Rcf (G)	10	10	10
Maximum Rcf (G)	9,500	9,500	9,500
Maximum Speed	10,000	10,000	10,000
Radius max cms	8.5	8.5	8.5
Sample tube angle °	60	60	60
Acceleration time (secs)	180	180	180
Deceleration time (secs)	25	25	25
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)
Minimum Temperature @ 23°C	4°C	4°C	4°C

## Reducers pack of 4

<b>Rotor</b>	BRK5207 / BRK5202/5204
<b>Part number</b>	RM05 (5ml)
<b>Tube size max</b>	13 x 80mm
<b>Part number</b>	RM10 (10ml)
<b>Tube size max</b>	16 x 100mm

## Reducers pack of 4

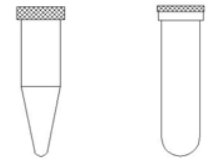
<b>Rotor</b>	BRK5204
<b>Part number</b>	RM25 (25ml)
<b>Tube size max</b>	24 x 100mm
<b>Part number</b>	RM15 (15ml)
<b>Tube size max</b>	17 x 100mm

## Reducers Fixed angle rotor BRK5202 Pack of 4 (tubes per rotor 8)

Capacity                      Size. mm                      Part Number                      Rcf (G) max

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSB.620	6170
0.4ml	6 x 30	RSB.630	6520
0.5ml	8 x 20	RSB.820	6170
1.5ml	11 x 38	RSB.1138	6950
2.0ml	11 x 38	RSB.1138	6950



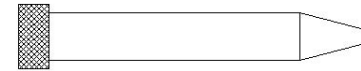
**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSB.645	7160
3ml	10 x 60	RSB.1060	7940
5ml	12 x 75	RSB.1275	8720
6ml	12 x 82	RSB.1282	8930
7ml	12 x 100	RSB.12100	9500
9/10ml	14 x 100	RSB.14100	9500
15ml	17 x 100	RSB.17100	9500
25ml	24 x 100	RSB.24100	9500



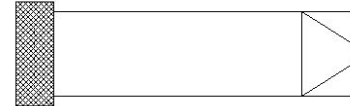
**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUB.17120	9500
50ml	29 x 115	Not required	9500



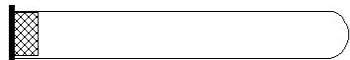
**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUB.17100	9500
15ml	17 x 120	RUB.17120	9500
25ml	25 x 90	RUB.2590	8720
30ml	25 x 110	RUB.25110	9500
50ml	29 x 115	Not required	9500



**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUB.1580	8290
30ml	26 x 95	RUB.2695	8720
50ml	29 x 107	Not required	9500



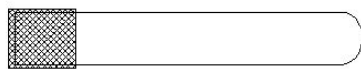
**Tube type: Monovette. Shape Square**

1.1-1.4ml	8 x 82	RUB.882	8290
2.7-3ml	11 x 82	RUB.1182	8290
2.6-2.9ml	13 x 81	RUB.1381	8290
4.5-5ml	11 x 108	RUB.11108	9500
7.5-8.2ml	13 x 106	RUB.13106	9500
4.5-5ml	15 x 92	RUB.1592	9500
9-10ml	16 X 108	RUB.16108	9500



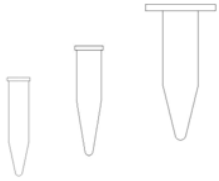
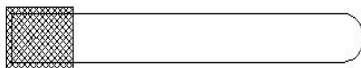
**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	8290
4-7ml	13 x 106	RUB.13106	9500
7-9ml	15 x 92	RUB.1592	8500
8.5-10ml	16 x 108	RUB.16108	9500



**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	8290
4-7ml	13 x 106	RUB.13106	9500
7-9ml	15 x 92	RUB.1592	8500
8.5-10ml	16 x 108	RUB.16108	9500



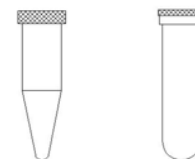


## Reducers Fixed angle rotor BRK5204 Pack of 4 (tubes per rotor 4)

Capacity                      Size. mm                      Part Number                      Rcf (G) max

### Tube type: Micro with cap. Shape: Point

0.2ml	6 x 20	RSB.620	6300
0.4ml	6 x 30	RSB.630	6700
0.5ml	8 x 20	RSB.820	6300
1.5ml	11 x 38	RSB.1138	7100
2.0ml	11 x 38	RSB.1138	7100



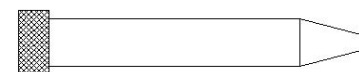
### Tube type: Plain no cap. Shape: Round

1ml	6 x 45	RSB.645	7400
3ml	10 x 60	RSB.1060	8200
5ml	12 x 75	RSB.1275	8800
6ml	12 x 82	RSB.1282	9200
7ml	12 x 100	RSB.12100	9500
9/10ml	14 x 100	RSB.14100	9500
15ml	17 x 100	RSB.17100	9500
25ml	24 x 100	RSB.24100	9500



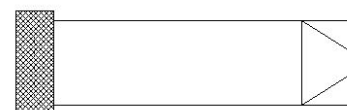
### Tube type: Falcon with cap. Shape: Point

15ml	17 x 120	RUB.17120	9500
50ml	29 x 115	Not required	3500



### Tube type: Falcon with cap. Shape: Square

12ml	17 x 100	RUB.17100	9500
15ml	17 x 120	RUB.17120	9500
25ml	25 x 90	RUB.2590	9300
30ml	25 x 110	RUB.25110	9500
50ml	29 x 115	Not required	9500



### Tube type: Nalgene. Oakridge with cap. Shape: Round

10ml	15 x 80	RUB.1580	9200
30ml	26 x 95	RUB.2695	9500
50ml	29 x 107	Not required	9500



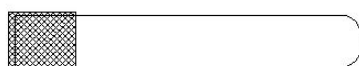
### Tube type: Monovette. Shape Square

1.1-1.4ml	8 x 82	RUB.882	9200
2.7-3ml	11 x 82	RUB.1182	9200
2.6-2.9ml	13 x 81	RUB.1381	9200
4.5-5ml	11 x 108	RUB.11108	9500
7.5-8.2ml	13 x 106	RUB.13106	9500
4.5-5ml	15 x 92	RUB.1592	9400
9-10ml	16 X 108	RUB.16108	9500



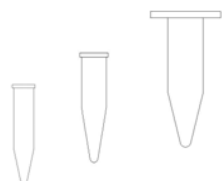
### Tube type: Vacutainer. Shape: Round

1.6-5ml	13 x 82	RUB.1382	9200
4-7ml	13 x 106	RUB.13106	9500
7-9ml	15 x 92	RUB.1592	9400
8.5-10ml	16 x 108	RUB.16108	9500



### Tube type: Vacuette. Shape: Round

1.6-5ml	13 x 82	RUB.1382	9200
4-7ml	13 x 106	RUB.13106	9500
7-9ml	15 x 92	RUB.1592	9400
8.5-10ml	16 x 108	RUB.16108	9500



# 26 Micro rotors to 22,000 Rcf (G)



## Reducers pack of 4

<b>Rotor</b>	BRK5648.BRK5649
<b>Part number</b>	RS04 (0.2- 0.4ml)
<b>Tube size max</b>	6 x 30mm
<b>Part number</b>	RS05 (0.5ml)
<b>Tube size max</b>	8 x 30mm

Sealed lid included

## Reducers pack of 4

<b>Rotor</b>	BRK5424 & BRK5463
<b>Part number</b>	RS04 (0.2- 0.4ml)
<b>Tube size max</b>	6 x 30mm
<b>Part number</b>	RS05 (0.5ml)
<b>Tube size max</b>	8 x 30mm

Rotor	BRK5424	BRK5436	BRK5448	BRK5494	BRK5463
Rotor type	24 x 2.0ml	36 x 0.5ml	48 x 0.2 to 0.4ml	4 x Pcr Strips	36 x 2.2ml
Tube size max	11 x 40mm	8 x 30mm	6 x 40mm	6 x 40mm	11 x 50mm
Minimum Rcf (G)	10	10	10	10	10
Maximum Rcf (G)	22,000	22,000	22,000	22,000	22,000
Maximum Rpm	15,000	15,000	15,000	15,000	15,000
Radius max cms	8.75cms	8.75cms	8.75cms	8.75cms	8.75cms
Sample tube angle °	45	45	45	45	45
Acceleration time (secs)	15	15	15	15	15
Deceleration time (secs)	15	15	15	15	15
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)	121°C (10)	121°C (10)
Minimum Temperature @ 23°C	4°C	4°C	4°C	4°C	4°C



High dome sealed lid available for 50mm height micro tubes  
 Part number B5424HD for above rotors  
 Part number B5648HD for below rotors

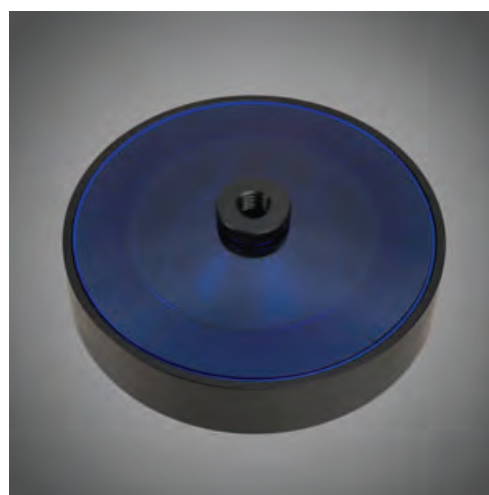
## Micro rotors High Capacity.

Rotor	BRK5648	BRK5649	BRK5698
Rotor type	48 x 2.2ml	24x2.2 & 24x0.5ml	8 x Pcr Strips
Tube size max	11 x 40mm	11x50 & 6x30mm	6 x 40mm
Minimum Rcf (G)	10	10	10
Maximum Rcf (G)	10,500	10,500	10,500
Maximum Speed	10,000	10,000	10,000
Radius max cms	9.45cms	9.45cms	9.45cms
Sample tube angle °	45	45	30
Acceleration time (secs)	20	20	20
Deceleration time (secs)	20	20	20
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)
Minimum Temperature @ 23°C	4°C	4°C	4°C

# Haematocrit & Micro rotor to 15,800 Rcf (G)

27

Rotor		BRK5401
Rotor type	Tube size max	24 x capillary & 12 x 2ml
	Tube size	2 x 75mm & 11 x 40mm
	Minimum Rcf (G)	10
	Maximum Rcf (G)	15,800
	Maximum Rpm	13,000
	Radius max cms	8.4
	Sample tube angle °	0 & 60
	Acceleration time (secs)	25
	Deceleration time (secs)	25
	Autoclavable (frequency)	121°C (10)
	Minimum Temperature @ 23°C	4°C



## Consumables

Part Number	Description
8012	Plain Capillary tubes pack 10 x 100
8013	Heparanised Capillary tubes pack 10 x 100
8014	Sealing Clay Pk 10
8011	Rim seal Gasket Pk 10 <a href="#">Replace regularly every 2 months</a>

## Accessories

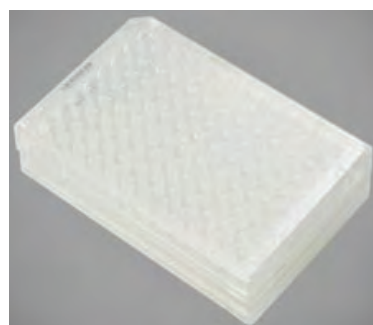
Part Number	Description
8003	PCV Reader

# 28

## Microtitor Plate Rotor



Rotor	BRK5740
Buckets	Complete with buckets Available with 4 x STD Plates
Rotor type Tube size max	85mmx128mm
Minimum Rcf (G)	10
Maximum Rcf (G)	1700
Maximum Rpm	3500
Radius max cms	12.4
Sample tube angle °	0°C (10)
Acceleration time (secs)	25
Deceleration time (secs)	25
Autoclavable (frequency)	121°C (10)
Minimum Temperature @ 23°C	4°C



# Cytology rotors to 500Rcf (G)

29



Rotor	4460 (12 Place)
Rotor type	12 x 0.2 to 6ml
Tube size max	Single or double
Minimum Speed Rpm	200
Maximum Speed Rpm	2,000
Maximum Rcf (G)	500
Radius max cms	11.2
Sample tube angle °	0
Acceleration time (secs)	25
Deceleration time (secs)	25
Autoclavable (frequency)	121°C (10)
Minimum Temperature @ 23°C	4°C

## 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

# 30 Small Ambient Centrifuge and one rotor.

(one rotor use only).

DUAL MODEL

High capacity micro tube rotors see page 26

Part nos. 230v 50/60Hz	Part nos. 110v	Rotor. 10,500 Rcf (G)	
K210A	1.K210A	BRK5648	48 x 2ml
K210B	1.K210B	BRK5649	24x2 & 0.5ml
K210C	1.K210C	BRK5698	8 x PCR strips



Fixed angle rotors page 20

Part nos. 230v 50/60Hz		Rotor. 3,800 Rcf (G)	
K206A	1.K206A	BRK5412	12 x 15ml
K206B	1.K206B	BRK5406	6 x 50ml



Swing out rotor page 17

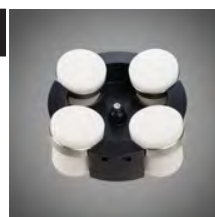
Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 2,200 Rcf (G)	
K204A	1.K204A	BRK5508M	8 x 15ml



Swing out rotor page 18

Adaptors required

Part nos. 230v 50/60Hz		Rotor. 2,200 Rcf (G)	
K204B	1.K204B	5506	4 x 100ml



Microtitor rotor page 28

Part nos. 230v 50/60Hz		Rotor. 1700Rcf (G)	
K203A	1.K203A	5470	2 x plate



HS Fixed angle rotors page 23

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 9,500Rcf (G)	
K211A	1.K211A	BRK5207	4X15&10ml
K211B	1.K211B	BRK5202	8 X 15ml
K211C	1.K211C	BRK5204	4 X 50ml



# Small Refrigerated Centrifuge and one rotor.

(one rotor use only).

DUAL MODEL

High capacity micro tube rotors see page 26

Part nos. 230v 50/60Hz	Part nos. 110v	Rotor. 10,500 Rcf (G)	
K210RA	1.K210RA	BRK5648	48 x 2ml
K210RB	1.K210RB	BRK5649	24x2 & 0.5ml
K210RC	1.K210RC	BRK5698	8 x PCR strips



Fixed angle rotors page 20

Part nos. 230v 50/60Hz		Rotor. 3,800 Rcf (G)	
K206RA	1.K206RA	BRK5412	12 x 15ml
K206RB	1.K206RB	BRK5406	6 x 50ml



Swing out rotor page 17

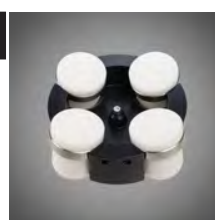
Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 2,200 Rcf (G)	
K204RA	1.K204RA	BRK5508M	8 x 15ml



Swing out rotor page 18

Adaptors required

Part nos. 230v 50/60Hz		Rotor. 2,200 Rcf (G)	
K204RB	1.K204RB	5506	4 x 100ml



Microtitor rotor page 28

Part nos. 230v 50/60Hz		Rotor. 1700Rcf (G)	
K203RA	1.K203RA	5470	2 x plate



HS Fixed angle rotors see page 23

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 9,500Rcf (G)	
K211RA	1.K211RA	BRK5207	4X15&10ml
K211RB	1.K211RB	BRK5202	8 X 15ml
K211RC	1.K211RC	BRK5204	4 X 50ml





## Medium Centrifuges to 1.0 Litre max Prime Multi Centrifuge

32

Display indicative only



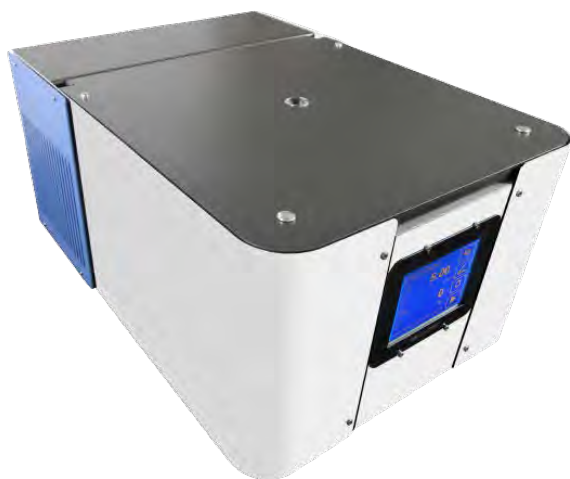
### PART NUMBERS

K241 (230V50/60Hz)  
1.K241 (110V 60Hz)

**(Rotor required)** see the following pages

### Ambient Centrifuge

Speed	15,000 Rpm max (1 Rpm steps)
Rcf Max	10 - 24,000 G
Timer	0-99hours & Hold (1 sec steps)
Dims HWD	340 x 400 x 520mm
Weight	25.8 Kg (without rotor)
Power	275 Watts
Memory	99 programs
Accel rates	10 programs
Decel rates	10 programs



### PART NUMBERS

K241R (230V 50/60Hz)  
1.K241R (110V 60 Hz) **(Rotor required)**  
see the following pages

### Refrigerated Centrifuge

Speed	15,000 Rpm max (1 Rpm steps)
Rcf Max	10 - 24,000 G
Timer	0-99hours & Hold (1 sec steps)
Dims HWD	330 x 435 x 650mm
Weight	57.8 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



# Micro rotors to 22,000 Rcf (G)

## Reducers



Sealed lid included

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

## Reducers pack of 4

<b>Rotor</b>	BRK5248.BRK5249
<b>Part number</b>	RS04 (0.2- 0.4ml)
<b>Tube size max</b>	6 x 30mm
<b>Part number</b>	RS05 (0.5ml)
<b>Tube size max</b>	8 x 30mm



Optional High dome Lid available. B5424HD For tubes to 50mm high

Rotor	BRK5424	BRK5436	BRK5448	BRK5494
Rotor type	24 x 2.0ml	36 x 0.5ml	48 x 0.2 to 0.4ml	4 x Pcr Strips
Tube size max	11 x 40mm	8 x 30mm	6 x 40mm	6 x 40mm
Minimum Rcf (G)	10	10	10	10
Maximum Rcf (G)	22,000	22,000	22,000	22,000
Maximum Rpm	15,000	15,000	15,000	15,000
Radius max 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
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)	121°C (10)
Minimum Temperature @ 23°C	4°C	4°C	4°C	4°C

# Micro rotors High capacity



Sealed lid included

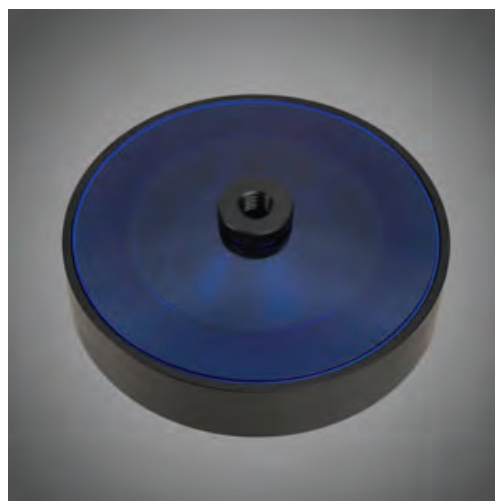
Rotor	BRK5648	BRK5649	BRK5698
Rotor type	48 x 2.2ml	24x2.2 & 24x0.5ml	8 x Pcr Strips
Tube size max	11 x 40mm	11x50 & 6x30mm	6 x 40mm
Minimum Rcf (G)	10	10	10
Maximum Rcf (G)	10,500	10,500	10,500
Maximum Speed	10,000	10,000	10,000
Radius max cms	9.45cms	9.45cms	9.45cms
Sample tube angle °	45	45	45
Acceleration time (secs)	30	30	30
Deceleration time (secs)	45	45	45
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)
Minimum Temperature @ 23°C	4°C	4°C	4°C



Optional High dome Lid available. B5248HD. For tubes to 50mm high

# 34 Haematocrit & Micro rotor to 15,800 Rcf (G)

<b>Rotor</b>		<b>BRK5401</b>
Rotor type	Tube size max	24 x capillary & 12 x 2ml
	Tube size	2 x 75mm & 11 x 40mm
	Minimum Rcf (G)	10
	Maximum Rcf (G)	15,800
	Maximum Rpm	13,000
	Radius max cms	8.4
	Sample tube angle °	0 & 60
	Acceleration time (secs)	25
	Deceleration time (secs)	25
	Autoclavable (frequency)	121°C (10)
	Minimum Temperature @ 23°C	4°C



## Consumables

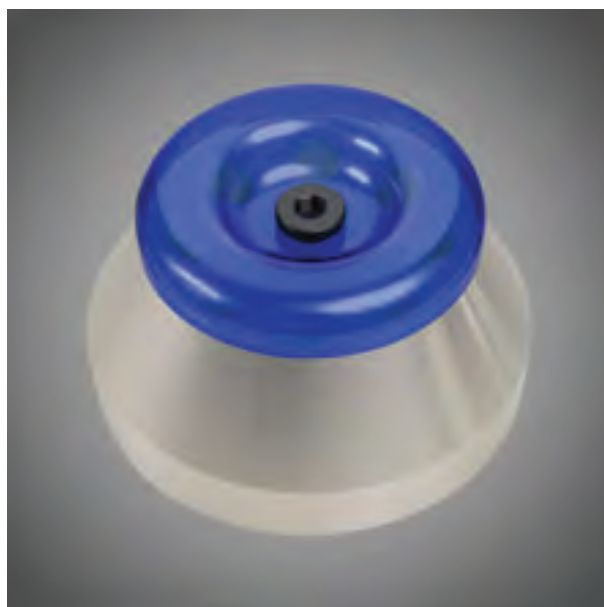
<b>Part Number</b>	<b>Description</b>
<b>8012</b>	Plain Capillary tubes pack 10 x 100
<b>8013</b>	Heparanised Capillary tubes pack 10 x 100
<b>8014</b>	Sealing Clay Pk 10
<b>8011</b>	Rim seal Gasket Pk 10 <a href="#">Replace regularly every 2 months</a>

## Accessories

<b>Part Number</b>	<b>Description</b>
<b>8003</b>	PCV Reader

# High speed fixed angle rotors to 10,600 Rcf (G)

35



Sealed lid included

## Reducers pack of 4

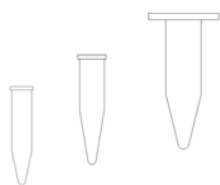
<b>Rotor</b>	BRK5212
<b>Part number</b>	RM05 (5ml)
<b>Tube size max</b>	13 x 80mm
<b>Part number</b>	RM10 (10ml)
<b>Tube size max</b>	16 x 100mm

## Reducers pack of 4

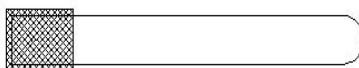
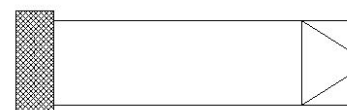
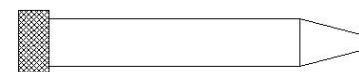
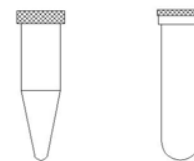
<b>Rotor</b>	BRK5206
<b>Part number</b>	RM15 (15ml)
<b>Tube size max</b>	17 x 120mm
<b>Part number</b>	RM25 (25ml)
<b>Tube size max</b>	25 x 100mm

Rotor	BRK5212	BRK5206
Rotor type	12 x 15ml	6 x 50ml
Tube size max	17 x 120mm	30 x 120mm
Minimum Rcf (G)	10	10
Maximum Rcf (G)	10,600	10,600
Maximum Speed	10,000	10,000
Radius max cms	9.5	9.5
Sample tube angle °	60	60
Acceleration time (secs)	180	180
Deceleration time (secs)	25	25
Autoclavable (frequency)	121°C (10)	121°C (10)
Minimum Temperature @ 23°C	4°C	4°C

## Reducers Fixed angle rotor BRK5212 Pack of 4 (Tubes per rotor 12)



Capacity	Size. mm	Part Number	Rcf (G) max
<b>Tube type: Micro with cap. Shape: Point</b>			
0.2ml	6 x 20	RS.620	6250
0.4ml	6 x 30	RS.630	6700
0.5ml	8 x 20	RS.820	6250
1.5ml	11 x 38	RS.1138	7100
2.0ml	11 x 38	RS.1138	7100
<b>Tube type: Plain no cap. Shape: Round</b>			
1ml	6 x 45	RS.645	7400
3ml	10 x 60	RS.1060	8200
5ml	12 x 75	RS.1275	8800
6ml	12 x 82	RS.1282	9200
7ml	12 x 100	RS.12100	10600
9/10ml	14 x 100	RS.14100	10600
15ml	17 x 100	Not required	10600
<b>Tube type: Falcon with cap. Shape: Point</b>			
15ml	17 x 120	Not required	10600
<b>Tube type: Falcon with cap. Shape: Square</b>			
12ml	17 x 100	Not required	10600
15ml	17 x 120	Not required	10600
<b>Tube type: Nalgene. Oakridge with cap. Shape: Round</b>			
10ml	15 x 80	RS.1580	9200
<b>Tube type: Monovette. Shape Square</b>			
1.1-1.4ml	8 x 82	RU.882	9300
2.7-3ml	11 x 82	RU.1182	9300
2.6-2.9ml	13 x 81	RU.1381	9300
4.5-5ml	11 x 108	RU.11108	10600
7.5-8.2ml	13 x 106	RU.13106	10600
4.5-5ml	15 x 92	RU.1592	9700
9-10ml	16 X 108	Not required	10600
<b>Tube type: Vacutainer. Shape: Round</b>			
1.6-5ml	13 x 82	RU.1382	9300
4-7ml	13 x 106	RU.13106	10600
7-9ml	15 x 92	RU.1592	9700
8.5-10ml	16 x 108	Not required	10600
<b>Tube type: Vacuette. Shape: Round</b>			
1.6-5ml	13 x 82	RU.1382	9300
4-7ml	13 x 106	RU.13106	10600
7-9ml	15 x 92	RU.1592	9700
8.5-10ml	16 x 108	Not required	10600



## Reducers Fixed angle rotor BRK5206 Pack of 4 (tubes per rotor 6)

**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSB.620	6300
0.4ml	6 x 30	RSB.630	6800
0.5ml	8 x 20	RSB.820	6300
1.5ml	11 x 38	RSB.1138	7400
2.0ml	11 x 38	RSB.1138	7400

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSB.645	7600
3ml	10 x 60	RSB.1060	8400
5ml	12 x 75	RSB.1275	9100
6ml	12 x 82	RSB.1282	9600
7ml	12 x 100	RSB.12100	10600
9/10ml	14 x 100	RSB.14100	10600
15ml	17 x 100	RSB.17100	10600
25ml	24 x 100	RSB.24100	10600

**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUB.17120	10600
50ml	29 x 115	Not required	10600

**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUB.17100	10600
15ml	17 x 120	RUB.17120	10600
25ml	25 x 90	RUB.2590	9700
30ml	25 x 110	RUB.25110	10600
50ml	29 x 115	Not required	10600

10ml	15 x 80	RUB.1580	9500
30ml	26 x 95	RUB.2695	9700
50ml	29 x 107	Not required	10600

**Tube type: Monovette. Shape Square**

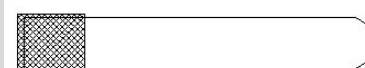
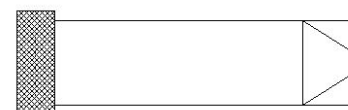
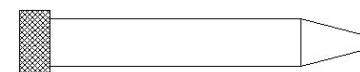
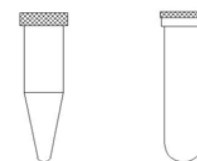
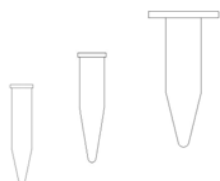
1.1-1.4ml	8 x 82	RUB.882	9500
2.7-3ml	11 x 82	RUB.1182	9500
2.6-2.9ml	13 x 81	RUB.1381	9500
4.5-5ml	11 x 108	RUB.11108	10600
7.5-8.2ml	13 x 106	RUB.13106	10600
4.5-5ml	15 x 92	RUB.1592	10000
9-10ml	16 X 108	RUB.16108	10600

**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	9500
4-7ml	13 x 106	RUB.13106	10600
7-9ml	15 x 92	RUB.1592	10000
8.5-10ml	16 x 108	RUB.16108	10600

**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	9500
4-7ml	13 x 106	RUB.13106	10600
7-9ml	15 x 92	RUB.1592	10000
8.5-10ml	16 x 108	RUB.16108	10600



# 38 Small swing out rotor 2600 Rcf (G)



## BRK5508L Rotor Buckets supplied (set of 8)

Capacity	8 x 15ml
Tube size	17 x 125mm max
Minimum Rcf (G)	10
Maximum Rcf (G)	2,600
Maximum Speed	4,000
Radius max cms	14.6
Sample tube angle °	0
Acceleration time (secs)	20
Deceleration time (secs)	20
Autoclavable (frequency)	121°C (10)
Minimum Temperature @ 23°C	4°C

## Reducers Swing out rotor BRK5508L Pack of 4 (Tubes per rotor 8)

**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	R8.620	1980
0.4ml	6 x 30	R8.630	1790
0.5ml	8 x 20	R8.820	1980
1.5ml	11 x 38	R8.1138	1890
2.0ml	11 x 38	R8.1138	1890

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	R8.645	1980
3ml	10 x 60	R8.1060	2180
5ml	12 x 75	R8.1275	2360
6ml	12 x 82	R8.1282	2450
7ml	12 x 100	R8.12100	2600
9/10ml	14 x 100	R8.14100	2600
15ml	17 x 100	R8.17100	2600

**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	R8.17120	2600
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**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	R8.17100	2600
15ml	17 x 120	R8.17120	2600

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	R8.1580	2600
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**Tube type: Monovette. Shape Square**

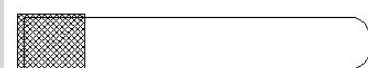
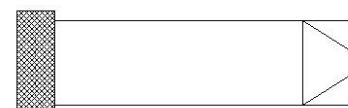
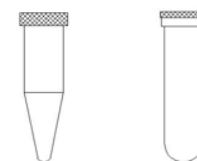
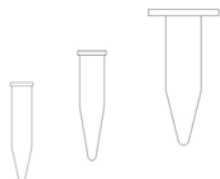
1.1-1.4ml	8 x 82	R8.882	2450
2.7-3ml	11 x 82	R8.1182	2450
2.6-2.9ml	13 x 81	R8.1381	2600
4.5-5ml	11 x 108	R8.11108	2600
7.5-8.2ml	13 x 106	R8.13106	2600
4.5-5ml	15 x 92	R8.1592	2600
9-10ml	16 X 108	R8.16108	2600

**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	R8.1382	2450
4-7ml	13 x 106	R8.13106	2600
7-9ml	15 x 92	R8.1592	2600
8.5-10ml	16 x 108	R8.16108	2600

**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	R8.1382	2450
4-7ml	13 x 106	R8.13106	2600
7-9ml	15 x 92	R8.1592	2600
8.5-10ml	16 x 108	R8.16108	2600



# 40 Swing out Rotor 4 x 250ml Max. 2,600 Rcf (G)

## BRK1001

1 Litre max capacity



B5251 Bucket (set 4) REQUIRED  
250ml max per Bucket



Shown with optional B5519 sealed lids

[Adaptors](#) required see the following page

Rotor/Buckets	BRK1001. B5251 Buckets
Tube size max	62 x 100mm
Minimum Rcf (G)	10
Maximum Rcf (G)	2,600
Maximum Speed Rpm	4,000
Radius max cms	14.6cm
Sample tube angle °	0
Acceleration time (secs)	25
Deceleration time (secs)	35
Autoclavable (frequency)	121°C (20)
Minimum Temperature @ 23°C	4°C



Adaptors for Swing out rotor BRK1001.  
With B5251 buckets Pack of 4

Capacity	Size. mm	Part Number	Tubes per rotor
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**Tube type: Micro with cap. Shape: Point**

0.5ml	8 x 20	AM605-1	104
1.5ml	11 x 38	AM620-1	72
2.0ml	11 x 38	AM620-1	72
0.2ml	6 x 20	AM602-1	144
0.4ml	6 x 30	AM604-1	144

**Tube type: Plain no cap. Shape: Round**

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

**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	AF615-1	16
50ml	29 x 115	AF650-1	4

**Tube type: Falcon with cap. Shape: Square**

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

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	ANO610-1	16
30ml	26 x 95	ANO630-1	4
50ml	29 x 107	ANO650-1	4
100ml	48 x 98	ANO6100-1	4

**Tube type: Nalgene. Oakridge with cap. Shape: Flat**

250ml	62 x 125	AC62130	4
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**Tube type: Monovette. Shape Square**

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

**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	AV616-1	36
4-7ml	13 x 106	AV650-1	36
7-9ml	15 x 92	AV670-1	28
8.5-10ml	16 x 108	AV680-1	28

**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	AV616-1	36
4-7ml	13 x 106	AV650-1	36
7-9ml	15 x 92	AV670-1	28
8.5-10ml	16 x 108	AV680-1	28



## 42

Large fixed angle rotors to  
4,800 Rcf (G)

Sealed High dome lid included

Rotor	BRK5324	BRK5308	BRK5100
Rotor type	24 x 15ml	8 x 50ml	6 x 100ml
Tube size max	17 x 120mm	30 x 120mm	38 x 125mm
Minimum Rcf (G)	10	10	10
Maximum Rcf (G)	4,800	4,800	4,800
Maximum Speed	6,000	6,000	6,000
Radius max cms	12	12	12
Sample tube angle °	35	35	30
Acceleration time (secs)	30	30	30
Deceleration time (secs)	35	35	35
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)

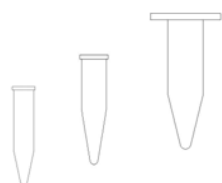
**Refrigerated Centrifuges Only**

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

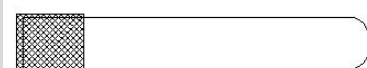
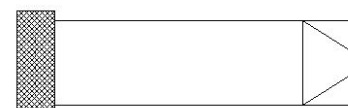
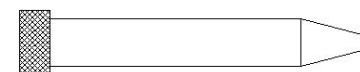
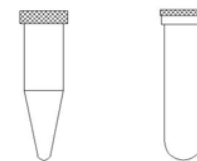
**Reducers** Pack of 4

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)	RL15 (15ml)
Tube size max	16 x 100mm	25 x 100mm	17 x 120mm
			RL25 (25ml)
			25 x 100mm
			RL50 (50ml)
			35 x 110mm
			RL85 (85ml)
			39 x 110mm

## Reducers Fixed angle rotor BRK5324 Pack of 4 (Tubes per rotor 24)



Capacity	Size. mm	Part Number	Rcf (G) max	
			Outer	Inner
<b>Tube type: Micro with cap. Shape: Point</b>				
0.2ml	6 x 20	RS.620	3500	2800
0.4ml	6 x 30	RS.630	3700	3000
0.5ml	8 x 20	RS.820	3500	2800
1.5ml	11 x 38	RS.1138	3800	3100
2.0ml	11 x 38	RS.1138	3800	3100
<b>Tube type: Plain no cap. Shape: Round</b>				
1ml	6 x 45	RS.645	3950	3300
3ml	10 x 60	RS.1060	4200	3500
5ml	12 x 75	RS.1275	4400	3700
6ml	12 x 82	RS.1282	4600	3900
7ml	12 x 100	RS.12100	4800	4100
9/10ml	14 x 100	RS.14100	4800	4100
15ml	17 x 100	Not required	4800	4100
<b>Tube type: Falcon with cap. Shape: Point</b>				
15ml	17 x 120	Not required	4800	4100
<b>Tube type: Falcon with cap. Shape: Square</b>				
12ml	17 x 100	Not required	4800	4100
15ml	17 x 120	Not required	4800	4100
<b>Tube type: Nalgene. Oakridge with cap. Shape: Round</b>				
10ml	15 x 80	RS.1580	4600	3900
<b>Tube type: Monovette. Shape Square</b>				
1.1-1.4ml	8 x 82	RU.882	4600	3900
2.7-3ml	11 x 82	RU.1182	4600	3900
2.6-2.9ml	13 x 81	RU.1381	4600	3900
4.5-5ml	11 x 108	RU.11108	4800	4100
7.5-8.2ml	13 x 106	RU.13106	4800	4100
4.5-5ml	15 x 92	RU.1592	4700	4000
9-10ml	16 X 108	Not required	4800	4100
<b>Tube type: Vacutainer. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	4600	3900
4-7ml	13 x 106	RU.13106	4800	4100
7-9ml	15 x 92	RU.1592	4700	4000
8.5-10ml	16 x 108	Not required	4800	4100
<b>Tube type: Vacuette. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	4600	3900
4-7ml	13 x 106	RU.13106	4800	4100
7-9ml	15 x 92	RU.1592	4700	4000
8.5-10ml	16 x 108	Not required	4800	4100



## Reducers Fixed angle rotor BRK5308 Pack of 4 (tubes per rotor 24)

**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSB.620	3100
0.4ml	6 x 30	RSB.630	3300
0.5ml	8 x 20	RSB.820	3100
1.5ml	11 x 38	RSB.1138	3500
2.0ml	11 x 38	RSB.1138	3500

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSB.645	3600
3ml	10 x 60	RSB.1060	4000
5ml	12 x 75	RSB.1275	4400
6ml	12 x 82	RSB.1282	4500
7ml	12 x 100	RSB.12100	4800
9/10ml	14 x 100	RSB.14100	4800
15ml	17 x 100	RSB.17100	4800
25ml	24 x 100	RSB.24100	4800

**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUB.17120	4800
50ml	29 x 115	Not required	4800

**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUB.17100	4800
15ml	17 x 120	RUB.17120	4800
25ml	25 x 90	RUB.2590	4400
30ml	25 x 110	RUB.25110	4800
50ml	29 x 115	Not required	4800

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUB.1580	4200
30ml	26 x 95	RUB.2695	4400
50ml	29 x 107	Not required	4800

**Tube type: Monovette. Shape Square**

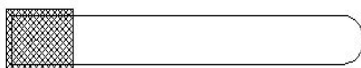
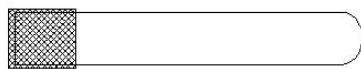
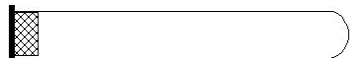
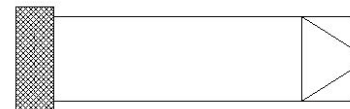
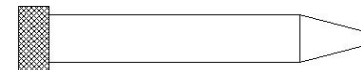
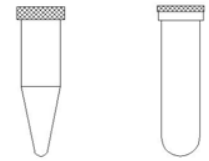
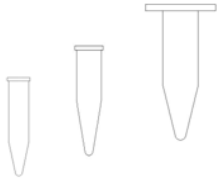
1.1-1.4ml	8 x 82	RUB.882	4200
2.7-3ml	11 x 82	RUB.1182	4200
2.6-2.9ml	13 x 81	RUB.1381	4200
4.5-5ml	11 x 108	RUB.11108	4800
7.5-8.2ml	13 x 106	RUB.13106	4800
4.5-5ml	15 x 92	RUB.1592	4300
9-10ml	16 X 108	RUB.16108	4800

**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	4200
4-7ml	13 x 106	RUB.13106	4800
7-9ml	15 x 92	RUB.1592	4300
8.5-10ml	16 x 108	RUB.16108	4800

**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	4200
4-7ml	13 x 106	RUB.13106	4800
7-9ml	15 x 92	RUB.1592	4300
8.5-10ml	16 x 108	RUB.16108	4800



## Reducers Fixed angle rotor BRK5100 Pack of 4 (tubes per rotor 6)

**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSC.620	3100
0.4ml	6 x 30	RSC.630	3300
0.5ml	8 x 20	RSC.820	3100
1.5ml	11 x 38	RSC.1138	3500
2.0ml	11 x 38	RSC.1138	3500

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSC.645	3600
3ml	10 x 60	RSC.1060	4000
5ml	12 x 75	RSC.1275	4400
6ml	12 x 82	RSC.1282	4500
7ml	12 x 100	RSC.12100	4800
9/10ml	14 x 100	RSC.14100	4800
15ml	17 x 100	RSC.17100	4800
25ml	24 x 100	RSC.24100	4800
50ml	34 x 100	RSC.34100	4800

**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUC.17120	4800
50ml	29 x 115	RUC.29115	4800

**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUC.17100	4800
15ml	17 x 120	RUC.17120	4800
25ml	25 x 90	RUC.2590	4400
30ml	25 x 110	RUC.25110	4800
50ml	29 x 115	RUC.29115	4800

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUC.1580	4200
30ml	26 x 95	RUC.2695	4400
50ml	29 x 107	RUC.29107	4800
100ml	38 x 106	RUC.38106	4800

**Tube type: Monovette. Shape Square**

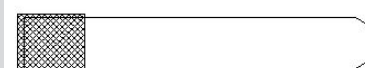
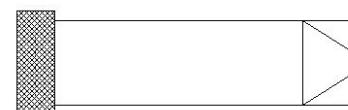
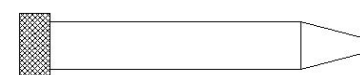
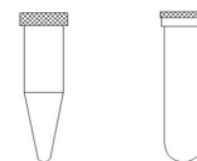
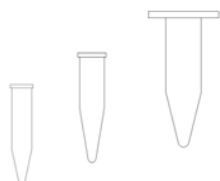
1.1-1.4ml	8 x 82	RUC.882	4200
2.7-3ml	11 x 82	RUC.1182	4200
2.6-2.9ml	13 x 81	RUC.1381	4200
4.5-5ml	11 x 108	RUC.11108	4800
7.5-8.2ml	13 x 106	RUC.13106	4800
4.5-5ml	15 x 92	RUC.1592	4300
9-10ml	16 X 108	RUC.16108	4800

**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUC.1382	4200
4-7ml	13 x 106	RUC.13106	4800
7-9ml	15 x 92	RUC.1592	4300
8.5-10ml	16 x 108	RUC.16108	4800

**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUC.1382	4200
4-7ml	13 x 106	RUC.13106	4800
7-9ml	15 x 92	RUC.1592	4300
8.5-10ml	16 x 108	RUC.16108	4800



# 46 Microtiter Plate Rotor 4 x Standard or 2 x High Plates



Rotor	BRK5540
	Complete with buckets
Rotor type Tube size max	Available with 4 x STD Plates 85mmx128mm
Minimum Rcf (G)	10
Maximum Rcf (G)	2500
Maximum Rpm	3500
Radius max cms	14
Sample tube angle °	0°C (10)
Acceleration time (secs)	30
Deceleration time (secs)	30
Autoclavable (frequency)	121°C (10)
Minimum Temperature @ 23°C	4°C



# Cytology rotors to 500Rcf (G)

47



Rotor	4460 (12 Place)
Rotor type	12 x 0.2 to 6ml
Tube size max	Single or double
Minimum Speed Rpm	200
Maximum Speed Rpm	2,000
Maximum Rcf (G)	500
Radius max cms	11.2
Sample tube angle °	0
Acceleration time (secs)	25
Deceleration time (secs)	25
Autoclavable (frequency)	121°C (10)
Minimum Temperature @ 23°C	4°C

## 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

# 48 Medium Ambient Centrifuge and one rotor.

(one rotor use only).

DUAL MODEL

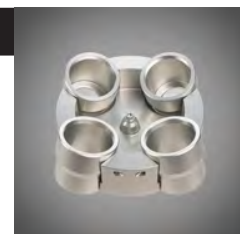
Swing out rotor see page 38

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 2,600 Rcf (G)
K404B	1.K404B	5508L



Swing out rotor see page 40

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 2,600 Rcf (G)
K404A	1.K404A	1001/B5251Bkts



Microtitor rotor see page 46

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 4,800 Rcf (G)
K403A	1.K403A	5540



Fixed angle rotors see page 42

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 1520 Rcf (G)
K406A	1.K406A	BRK5324
K406B	1.K406B	BRK5308
K406C	1.K406C	BRK5100



High speed fixed angle rotor see page 35

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 550Rcf (G)
K410A	1.K410A	BRK5212
K410B	1.K410B	BRK5206





# Medium Refrigerated Centrifuge and one rotor. 49

(one rotor use only).

DUAL MODEL

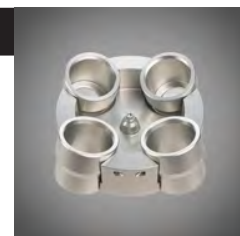
Swing out rotor see page 38

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 2,600 Rcf (G)
K404RB	1.K404RB	5508L



Swing out rotor see page 40

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 2,600 Rcf (G)
K404RA	1.K404RA	1001/B5251Bkts



Microtitor rotor see page 46

Part nos. 230v 50/60Hz		Rotor. 4,800 Rcf (G)
K403RA	1.K403RA	5540



Fixed angle rotors see page 42

Part nos. 230v 50/60Hz		Rotor. 1520 Rcf (G)
K406RA	1.K406RA	BRK5324
K406RB	1.K406RB	BRK5308
K406RC	1.K406RC	BRK5100



High speed fixed angle rotor see page 35

Part nos. 230v 50/60Hz		Rotor. 550Rcf (G)
K410RA	1.K410RA	BRK5212
K410RB	1.K410RB	BRK5206

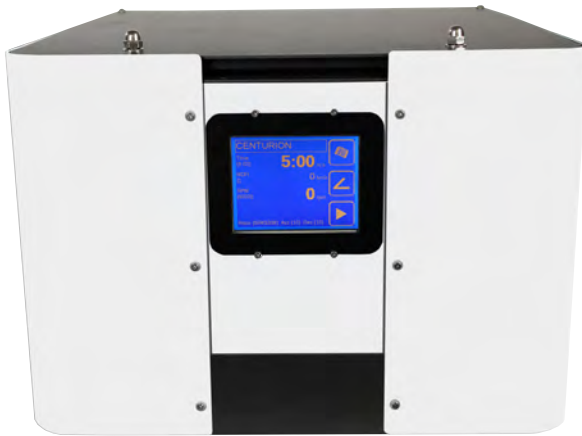


# Large Centrifuges to 2L

## Prime multi rotor Centrifuge

50

Display indicative only



### K242 Large Centrifuge 2L

K242. (230V 50/60Hz). 1.K242. (110V 60Hz)

<b>Speed</b>	15,000 Rpm max (1 Rpm steps)
<b>Rcf Max</b>	10 - 24,000 G
<b>Timer</b>	0-99hours & Hold (1 sec steps)
<b>Dims HWD</b>	375 x 575 x 660mm
<b>Weight</b>	58.5 Kg (without rotor)
<b>Power</b>	750 Watts
<b>Memory</b>	99 programs
<b>Accel rates</b>	10 programs
<b>Decel rates</b>	10 programs



### K242 Large Centrifuge with Trolley

Trolley available

<b>Part number</b>	XMFS2
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<b>Total height</b>	98 cm
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## Large Centrifuges to 2L Prime multi rotor Centrifuge

### K242R Large Centrifuge 2L Refrigerated

K242R.(230V 50/60Hz).

1.K242R.(110V 60Hz).



Display indicative only

<b>Speed</b>	22,000 Rpm max (1 Rpm steps)
<b>Rcf Max</b>	10 - 24,000 G
<b>Timer</b>	0-99hours & Hold (1 sec steps)
<b>Dims HWD</b>	410 x 845 x 660mm
<b>Weight</b>	97Kg
<b>Power</b>	1200 Watts
<b>Memory</b>	99 programs
<b>Accel rates</b>	10 programs
<b>Decel rates</b>	10 programs
<b>Temp range</b>	-10°C to + 40°C PID Controlled to + / - 1°C



### K242R Large Centrifuge with Trolley

**Trolley available**

**Part number** XMRFS2

**Total height** 98 cm

# 52 Swing out Rotor 4 x 500ml Max. 3,600 Rcf (G)

## BRK3000

2 Litre max capacity



B2001 Bucket (set 4) REQUIRED.  
500ml max per Bucket I



Shown with optional B5319 sealed lids

**Adaptors** required see following page

Rotor/Buckets	BRK3000. B2001 Buckets
Tube size max	98 x 160mm
Minimum Rcf (G)	10
Maximum speed	4000Rpm
Maximum Rcf (G)	3600
Radius max cms	20.5
Sample tube angle °	0
Acceleration time (secs)	40
Deceleration time (secs)	40
Autoclavable (frequency)	121°C (20)
Minimum Temperature @ 23°C	4°C

## Adaptors for Buckets. B2001 Pack of 4

Capacity	Size. mm	Part Number	Tubes per rotor
----------	----------	-------------	-----------------

**Tube type: Micro with cap. Shape: Point**

0.5ml	8 x 20	AM805-2	144
1.5ml	11 x 38	AM820-2	92
2.0ml	11 x 38	AM820-2	92
0.2ml	6 x 20	AM802-2	168
0.4ml	6 x 30	AM804-2	168

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	AR801-2	168
3ml	10 x 60	AR803-2	96
5ml	12 x 75	AR805-2	96
6ml	12 x 82	AR806-2	96
7ml	12 x 100	AR807-2	96
9/10ml	14 x 100	AR809-2	84
15ml	17 x 100	AR815-2	48
25ml	24 x 100	AR825-2	28
50ml	34 x 100	AR850-2	16
100ml	45 x 100	AR8100-2	8
150ml	52 x 100	AR8150-2	4
250ml	62 x 100	AR8250-2	4

**Tube type: Falcon with cap. Shape: Point**

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

**Tube type: Falcon with cap. Shape: Square**

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

**Tube type: Corning with cap. Shape: point**

250ml	60 x 172	AF8250-2	4
500ml	98 x 148	AF8500-2	4

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	ANO810-2	64
30ml	26 x 95	ANO830-2	20
50ml	29 x 107	ANO850-2	12
100ml	38 x 106	ANO8100-2	12
250ml	62 x 133	ANO8250-2	4 No Lid

**Tube type: Nalgene. Oakridge with cap. Shape: Square**

250ml	62 x 130	ANO8252-2	4
500ml	98 x 148	AH2695R	4 No lid

**Tube type: Monovette. Shape Square**

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

**Tube type: Vacutainer. Shape: Round also Vacurette**

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



# 54 Microtitor Plate Rotor 4 x Standard or 2 x High Plates



Rotor	BRK5540
	Complete with buckets
Rotor type Tube size max	Available with 4 x STD Plates 85mmx128mm
Minimum Rcf (G)	10
Maximum Rcf (G)	2500
Maximum Rpm	3500
Radius max cms	14
Sample tube angle °	0°C (10)
Acceleration time (secs)	30
Deceleration time (secs)	30
Autoclavable (frequency)	121°C (10)
Minimum Temperature @ 23°C	4°C



# High Speed fixed angle rotors to 13,400 Rcf (G)

55



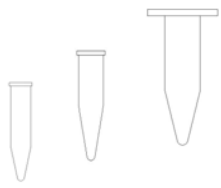
Sealed lid included

Rotor	BRK5224	BRK5208	BRK5210
Rotor type	24 x 15ml	8 x 50ml	6 x 100ml
Tube size max	17 x 120mm	30 x 120mm	38 x 125mm
Minimum Rcf (G)	10	10	10
Maximum Rcf (G)	13,400	13,400	13,400
Maximum Speed	10,000	10,000	10,000
Radius max cms	12	12	12
Sample tube angle °	30	30	30
Acceleration time (secs)	70	70	70
Deceleration time (secs)	130	130	130
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)
<b>Refrigerated Centrifuges Only</b>			
Minimum Temperature	4°C	4°C	4°C
At maximum speed (relative to room temperature at 23°C)			

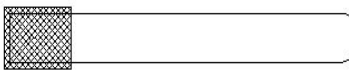
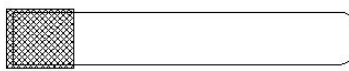
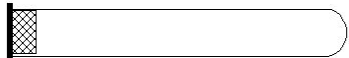
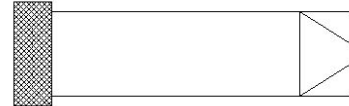
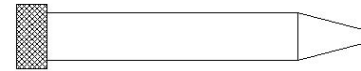
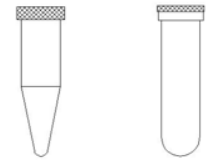
See following pages for Reducers available



## Reducers Fixed angle rotor BRK5224 Pack of 4 (Tubes per rotor 24)



Capacity	Size. mm	Part Number	Rcf (G) max	
			Outer	Inner
<b>Tube type: Micro with cap. Shape: Point</b>				
0.2ml	6 x 20	RS.620	9700	7800
0.4ml	6 x 30	RS.630	10300	8300
0.5ml	8 x 20	RS.820	9700	7800
1.5ml	11 x 38	RS.1138	10600	8600
2.0ml	11 x 38	RS.1138	10600	8600
<b>Tube type: Plain no cap. Shape: Round</b>				
1ml	6 x 45	RS.645	11000	9200
3ml	10 x 60	RS.1060	11700	9700
5ml	12 x 75	RS.1275	12200	10300
6ml	12 x 82	RS.1282	12800	10800
7ml	12 x 100	RS.12100	13400	11400
9/10ml	14 x 100	RS.14100	13400	11400
15ml	17 x 100	Not required	13400	11400
<b>Tube type: Falcon with cap. Shape: Point</b>				
15ml	17 x 120	Not required	13400	11400
<b>Tube type: Falcon with cap. Shape: Square</b>				
12ml	17 x 100	Not required	13400	11400
15ml	17 x 120	Not required	13400	11400
<b>Tube type: Nalgene. Oakridge with cap. Shape: Round</b>				
10ml	15 x 80	RS.1580	12800	10800
<b>Tube type: Monovette. Shape Square</b>				
1.1-1.4ml	8 x 82	RU.882	12800	10800
2.7-3ml	11 x 82	RU.1182	12800	10800
2.6-2.9ml	13 x 81	RU.1381	12800	10800
4.5-5ml	11 x 108	RU.11108	13400	11400
7.5-8.2ml	13 x 106	RU.13106	13400	11400
4.5-5ml	15 x 92	RU.1592	13100	11100
9-10ml	16 X 108	Not required	13400	11400
<b>Tube type: Vacutainer. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	12800	10800
4-7ml	13 x 106	RU.13106	13400	11400
7-9ml	15 x 92	RU.1592	13100	11100
8.5-10ml	16 x 108	Not required	13400	11400
<b>Tube type: Vacuette. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	12800	10800
4-7ml	13 x 106	RU.13106	13400	11400
7-9ml	15 x 92	RU.1592	13100	11100
8.5-10ml	16 x 108	Not required	13400	11400





## Reducers Fixed angle rotor BRK5208 Pack of 4 (tubes per rotor 8)

**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSB.620	8700
0.4ml	6 x 30	RSB.630	9200
0.5ml	8 x 20	RSB.820	8700
1.5ml	11 x 38	RSB.1138	9800
2.0ml	11 x 38	RSB.1138	9800

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSB.645	10100
3ml	10 x 60	RSB.1060	11200
5ml	12 x 75	RSB.1275	12300
6ml	12 x 82	RSB.1282	12600
7ml	12 x 100	RSB.12100	13400
9/10ml	14 x 100	RSB.14100	13400
15ml	17 x 100	RSB.17100	13400
25ml	24 x 100	RSB.24100	13400

**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUB.17120	13400
50ml	29 x 115	Not required	13400

**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUB.17100	13400
15ml	17 x 120	RUB.17120	13400
25ml	25 x 90	RUB.2590	12300
30ml	25 x 110	RUB.25110	13400
50ml	29 x 115	Not required	13400

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUB.1580	11700
30ml	26 x 95	RUB.2695	12300
50ml	29 x 107	Not required	13400

**Tube type: Monovette. Shape Square**

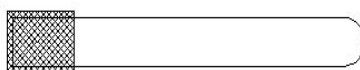
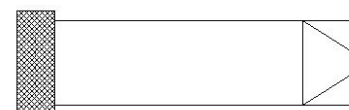
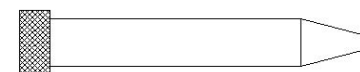
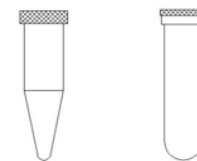
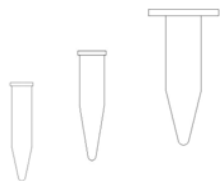
1.1-1.4ml	8 x 82	RUB.882	11700
2.7-3ml	11 x 82	RUB.1182	11700
2.6-2.9ml	13 x 81	RUB.1381	11700
4.5-5ml	11 x 108	RUB.11108	13400
7.5-8.2ml	13 x 106	RUB.13106	13400
4.5-5ml	15 x 92	RUB.1592	12000
9-10ml	16 X 108	RUB.16108	13400

**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	11700
4-7ml	13 x 106	RUB.13106	13400
7-9ml	15 x 92	RUB.1592	12000
8.5-10ml	16 x 108	RUB.16108	13400

**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	11700
4-7ml	13 x 106	RUB.13106	13400
7-9ml	15 x 92	RUB.1592	12000
8.5-10ml	16 x 108	RUB.16108	13400



## Reducers Fixed angle rotor BRK5210 Pack of 4 (tubes per rotor 6)

**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSC.620	8700
0.4ml	6 x 30	RSC.630	9200
0.5ml	8 x 20	RSC.820	8700
1.5ml	11 x 38	RSC.1138	9800
2.0ml	11 x 38	RSC.1138	9800

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSC.645	10100
3ml	10 x 60	RSC.1060	11200
5ml	12 x 75	RSC.1275	12300
6ml	12 x 82	RSC.1282	12600
7ml	12 x 100	RSC.12100	13400
9/10ml	14 x 100	RSC.14100	134000
15ml	17 x 100	RSC.17100	13400
25ml	24 x 100	RSC.24100	13400
50ml	34 x 100	RSC.34100	13400

**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUC.17120	13400
50ml	29 x 115	RUC.29115	13400

**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUC.17100	13400
15ml	17 x 120	RUC.17120	4800
25ml	25 x 90	RUC.2590	13400
30ml	25 x 110	RUC.25110	13400
50ml	29 x 115	RUC.29115	13400

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUC.1580	11700
30ml	26 x 95	RUC.2695	12300
50ml	29 x 107	RUC.29107	13400
100ml	38 x 106	RUC.38106	13400

**Tube type: Monovette. Shape Square**

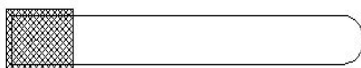
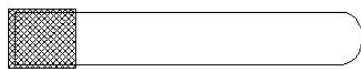
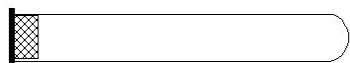
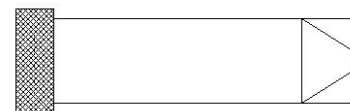
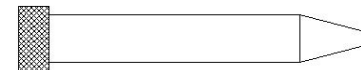
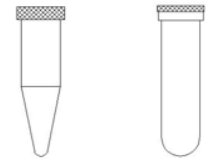
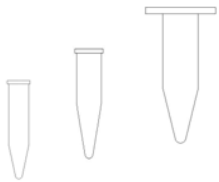
1.1-1.4ml	8 x 82	RUC.882	11700
2.7-3ml	11 x 82	RUC.1182	11700
2.6-2.9ml	13 x 81	RUC.1381	11700
4.5-5ml	11 x 108	RUC.11108	13400
7.5-8.2ml	13 x 106	RUC.13106	13400
4.5-5ml	15 x 92	RUC.1592	12000
9-10ml	16 X 108	RUC.16108	13400

**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUC.1382	11700
4-7ml	13 x 106	RUC.13106	13400
7-9ml	15 x 92	RUC.1592	12000
8.5-10ml	16 x 108	RUC.16108	13400

**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUC.1382	11700
4-7ml	13 x 106	RUC.13106	13400
7-9ml	15 x 92	RUC.1592	12000
8.5-10ml	16 x 108	RUC.16108	13400



# Large fixed angle rotors to 4,800 Rcf (G)

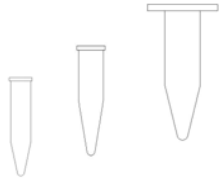
59



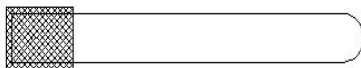
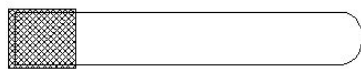
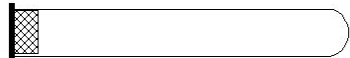
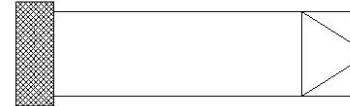
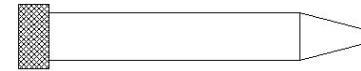
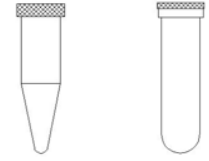
Sealed lid included

Rotor	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 Rcf (G)	10	10	10
Maximum Rcf (G)	4,800	4,800	4,800
Maximum Speed	6,000	6,000	6,000
Radius max cms	12	12	12
Sample tube angle °	30	30	30
Acceleration time (secs)	30	30	30
Deceleration time (secs)	35	35	35
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)
<b>Refrigerated Centrifuges Only</b>			
Minimum Temperature	4°C	4°C	4°C
At maximum speed (relative to room temperature at 23°C)			

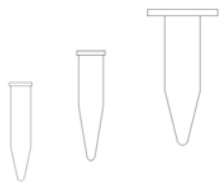
## Reducers Fixed angle rotor BRK5324 Pack of 4 (Tubes per rotor 24)



Capacity	Size. mm	Part Number	Rcf (G) max	
			Outer	Inner
<b>Tube type: Micro with cap. Shape: Point</b>				
0.2ml	6 x 20	RS.620	3500	2800
0.4ml	6 x 30	RS.630	3700	3000
0.5ml	8 x 20	RS.820	3500	2800
1.5ml	11 x 38	RS.1138	3800	3100
2.0ml	11 x 38	RS.1138	3800	3100
<b>Tube type: Plain no cap. Shape: Round</b>				
1ml	6 x 45	RS.645	3950	3300
3ml	10 x 60	RS.1060	4200	3500
5ml	12 x 75	RS.1275	4400	3700
6ml	12 x 82	RS.1282	4600	3900
7ml	12 x 100	RS.12100	4800	4100
9/10ml	14 x 100	RS.14100	4800	4100
15ml	17 x 100	Not required	4800	4100
<b>Tube type: Falcon with cap. Shape: Point</b>				
15ml	17 x 120	Not required	4800	4100
<b>Tube type: Falcon with cap. Shape: Square</b>				
12ml	17 x 100	Not required	4800	4100
15ml	17 x 120	Not required	4800	4100
<b>Tube type: Nalgene. Oakridge with cap. Shape: Round</b>				
10ml	15 x 80	RS.1580	4600	3900
<b>Tube type: Monovette. Shape Square</b>				
1.1-1.4ml	8 x 82	RU.882	4600	3900
2.7-3ml	11 x 82	RU.1182	4600	3900
2.6-2.9ml	13 x 81	RU.1381	4600	3900
4.5-5ml	11 x 108	RU.11108	4800	4100
7.5-8.2ml	13 x 106	RU.13106	4800	4100
4.5-5ml	15 x 92	RU.1592	4700	4000
9-10ml	16 X 108	Not required	4800	4100
<b>Tube type: Vacutainer. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	4600	3900
4-7ml	13 x 106	RU.13106	4800	4100
7-9ml	15 x 92	RU.1592	4700	4000
8.5-10ml	16 x 108	Not required	4800	4100
<b>Tube type: Vacuette. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	4600	3900
4-7ml	13 x 106	RU.13106	4800	4100
7-9ml	15 x 92	RU.1592	4700	4000
8.5-10ml	16 x 108	Not required	4800	4100



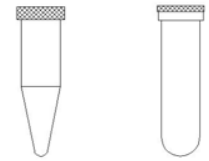
## Reducers Fixed angle rotor BRK5308 Pack of 4 (tubes per rotor 24)



**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSB.620	3100
0.4ml	6 x 30	RSB.630	3300
0.5ml	8 x 20	RSB.820	3100
1.5ml	11 x 38	RSB.1138	3500
2.0ml	11 x 38	RSB.1138	3500



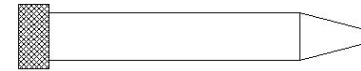
**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSB.645	3600
3ml	10 x 60	RSB.1060	4000
5ml	12 x 75	RSB.1275	4400
6ml	12 x 82	RSB.1282	4500
7ml	12 x 100	RSB.12100	4800
9/10ml	14 x 100	RSB.14100	4800
15ml	17 x 100	RSB.17100	4800
25ml	24 x 100	RSB.24100	4800



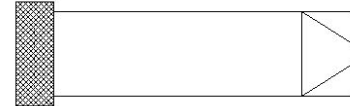
**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUB.17120	4800
50ml	29 x 115	Not required	4800



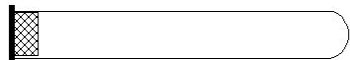
**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUB.17100	4800
15ml	17 x 120	RUB.17120	4800
25ml	25 x 90	RUB.2590	4400
30ml	25 x 110	RUB.25110	4800
50ml	29 x 115	Not required	4800



**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUB.1580	4200
30ml	26 x 95	RUB.2695	4400
50ml	29 x 107	Not required	4800



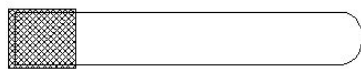
**Tube type: Monovette. Shape Square**

1.1-1.4ml	8 x 82	RUB.882	4200
2.7-3ml	11 x 82	RUB.1182	4200
2.6-2.9ml	13 x 81	RUB.1381	4200
4.5-5ml	11 x 108	RUB.11108	4800
7.5-8.2ml	13 x 106	RUB.13106	4800
4.5-5ml	15 x 92	RUB.1592	4300
9-10ml	16 X 108	RUB.16108	4800



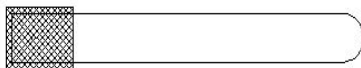
**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	4200
4-7ml	13 x 106	RUB.13106	4800
7-9ml	15 x 92	RUB.1592	4300
8.5-10ml	16 x 108	RUB.16108	4800



**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	4200
4-7ml	13 x 106	RUB.13106	4800
7-9ml	15 x 92	RUB.1592	4300
8.5-10ml	16 x 108	RUB.16108	4800



## Reducers Fixed angle rotor BRK5100 Pack of 4 (tubes per rotor 6)

**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSC.620	3100
0.4ml	6 x 30	RSC.630	3300
0.5ml	8 x 20	RSC.820	3100
1.5ml	11 x 38	RSC.1138	3500
2.0ml	11 x 38	RSC.1138	3500

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSC.645	3600
3ml	10 x 60	RSC.1060	4000
5ml	12 x 75	RSC.1275	4400
6ml	12 x 82	RSC.1282	4500
7ml	12 x 100	RSC.12100	4800
9/10ml	14 x 100	RSC.14100	4800
15ml	17 x 100	RSC.17100	4800
25ml	24 x 100	RSC.24100	4800
50ml	34 x 100	RSC.34100	4800

**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUC.17120	4800
50ml	29 x 115	RUC.29115	4800

**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUC.17100	4800
15ml	17 x 120	RUC.17120	4800
25ml	25 x 90	RUC.2590	4400
30ml	25 x 110	RUC.25110	4800
50ml	29 x 115	RUC.29115	4800

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUC.1580	4200
30ml	26 x 95	RUC.2695	4400
50ml	29 x 107	RUC.29107	4800
100ml	38 x 106	RUC.38106	4800

**Tube type: Monovette. Shape Square**

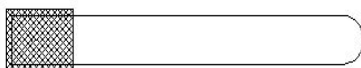
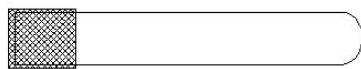
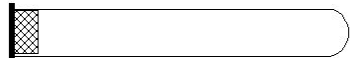
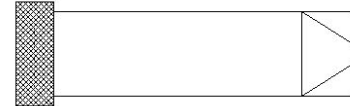
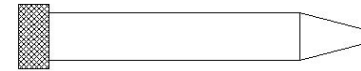
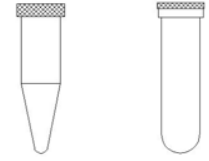
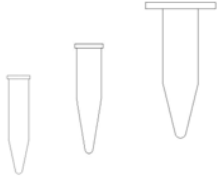
1.1-1.4ml	8 x 82	RUC.882	4200
2.7-3ml	11 x 82	RUC.1182	4200
2.6-2.9ml	13 x 81	RUC.1381	4200
4.5-5ml	11 x 108	RUC.11108	4800
7.5-8.2ml	13 x 106	RUC.13106	4800
4.5-5ml	15 x 92	RUC.1592	4300
9-10ml	16 X 108	RUC.16108	4800

**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUC.1382	4200
4-7ml	13 x 106	RUC.13106	4800
7-9ml	15 x 92	RUC.1592	4300
8.5-10ml	16 x 108	RUC.16108	4800

**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUC.1382	4200
4-7ml	13 x 106	RUC.13106	4800
7-9ml	15 x 92	RUC.1592	4300
8.5-10ml	16 x 108	RUC.16108	4800



# Micro rotors to 22,000 Rcf (G)

63



Supplied with Sealed lid

Rotor	BRK5424	BRK5436	BRK5448	BRK5494
Rotor type	24 x 2.2ml	36 x 0.5ml	48 x 0.2 to 0.4ml	4 x Pcr Strips
Tube size max	11 x 40mm	8 x 30mm	6 x 40mm	6 x 40mm
Minimum Rcf (G)	10	10	10	10
Maximum Rcf (G)	22,000	22,000	22,000	22,000
Maximum Rpm	15,000	15,000	15,000	15,000
Radius max 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
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)	121°C (10)

## Reducers pack of 4

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

## Reducers pack of 4

<b>Rotor</b>	BRK5248.BRK5249
<b>Part number</b>	RS04 (0.2- 0.4ml)
<b>Tube size max</b>	6 x 30mm
<b>Part number</b>	RS05 (0.5ml)
<b>Tube size max</b>	8 x 30mm

# 64 Large 2L Ambient Centrifuge and one rotor.

(one rotor use only). DUAL MODEL

Swing out rotor see page 52 includes B2001 buckets. Adaptors are required

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)
K504A	1.K504A	BRK3000 & B2001 buckets



Microtitor rotor page 54

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 15,800 Rcf (G)
K503A	1.K503A	BRK5540



High speed Fixed angle rotors page 55

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 3,500 Rcf (G)
K510A	1.K510A	BRK5224
K510B	1.K510B	BRK5208
K510C	1.K510C	BRK5210



Fixed angle rotors page 59

Part nos. 230v	Part nos. 110v 60Hz	Rotor. 1520 Rcf (G)
K506A	1.K506A	BRK5324
K506B	1.K506B	BRK5308
K506C	1.K506C	BRK5100



Micro tube rotors see page 63

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)
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Only available with Prime model C504





# Large 2L Refrigerated Centrifuge and one rotor. 65

(one rotor use only). DUAL MODEL

Swing out rotor see page 52 includes B2001 buckets. Adaptors are required

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)
------------------------	---------------------	-----------------------

K504RA	1.K504RA	BRK3000 & B2001 buckets
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Microtitor rotor page 54

Part nos. 230v	Part nos. 110v 60Hz	Rotor. 15,800 Rcf (G)
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K503RA	1.K503RA	BRK5540
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High speed Fixed angle rotors page 55

Part nos.	Part nos. 110v 60Hz	Rotor. 3,500 Rcf (G)
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K510RA	1.K510RA	BRK5224
K510RB	1.K510RB	BRK5208
K510RC	1.K510RC	BRK5210



Fixed angle rotors page 59

Part nos. 230V	Part nos. 110v 60Hz	Rotor. 1520 Rcf (G)
----------------	---------------------	---------------------

K506RA	1.K506RA	BRK5324
K506RB	1.K506RB	BRK5308
K506RC	1.K506RC	BRK5100



Micro tube rotors see page 63

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)
------------------------	---------------------	-----------------------

Only available with Prime model C504



# K243

# 66

## Large Centrifuges to 3L max Prime multi rotor Centrifuge

Display indicative only



### K243 Large Centrifuge 3L

K243. (230V 50/60Hz). 1.K243. (110V 60Hz)

<b>Speed</b>	15,000 Rpm max (1 Rpm steps)
<b>Rcf Max</b>	10 - 24,000 G
<b>Timer</b>	0-99hours & Hold (1 sec steps)
<b>Dims HWD</b>	375 x 570 x 660mm
<b>Weight</b>	59 Kg (without rotor)
<b>Power</b>	750 Watts
<b>Memory</b>	99 programs
<b>Accel rates</b>	10 programs
<b>Decel rates</b>	10 programs



### K243 Large Centrifuge with Trolley

**Trolley available**

**Part number** XMFS3

**Total height** 98 cm

## Large Centrifuges to 3L max Prime multi rotor Centrifuge

Display indicative only



### K243R Large Centrifuge 3L Refrigerated

K243R.(230V 50/60Hz).

1.K243R.(110V60Hz).

<b>Speed</b>	22,000 Rpm max(1 Rpm steps)
<b>Rcf Max</b>	10 - 24,000 G
<b>Timer</b>	0-99hours & Hold (1 sec steps)
<b>Dims HWD</b>	410 x 845 x 660mm
<b>Weight</b>	105Kg (without rotor)
<b>Power</b>	1200 Watts
<b>Memory</b>	99 programs
<b>Accel rates</b>	10 programs
<b>Decel rates</b>	10 programs
<b>Temp range</b>	-10C to 40C PID controlled to +/- 1C

Display indicative only

### K243R Large Centrifuge with Trolley

**Trolley available**

**Part number** XMRF33

**Total height** 98 cm



# 68 Swing out Rotor 4 x 750ml Max. 4,000 Rcf (G)

## BRK3000 3 Litre max capacity

B3001 Bucket (set 4) REQUIRED.  
750ml max per Bucket



Shown with optional B5319 sealed lids

[Adaptors](#) required see following page

Rotor/Buckets	BRK3000. B3001 Buckets
Tube size max	98 x 170mm
Minimum Rcf (G)	10
Maximum speed	4000Rpm
Maximum Rcf (G)	4000
Radius max cms	22.5
Sample tube angle °	0
Acceleration time (secs)	40
Deceleration time (secs)	40
Autoclavable (frequency)	121°C (20)
Minimum Temperature @ 23°C	4°C

## Adaptors for Buckets. B3001 Pack of 4

Capacity	Size. mm	Part Number	Tubes per rotor
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**Tube type: Micro with cap. Shape: Point**

0.5ml	8 x 20	AM805-3	288
1.5ml	11 x 38	AM820-3	184
2.0ml	11 x 38	AM820-3	184
0.2ml	6 x 20	AM802-3	336
0.4ml	6 x 30	AM804-3	336

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	AR801-3	168
3ml	10 x 60	AR803-3	96
5ml	12 x 75	AR805-3	96
6ml	12 x 82	AR806-3	96
7ml	12 x 100	AR807-3	96
9/10ml	14 x 100	AR809-3	84
15ml	17 x 100	AR815-3	48
25ml	24 x 100	AR825-3	28
50ml	34 x 100	AR850-3	16
100ml	45 x 100	AR8100-3	8
150ml	52 x 100	AR8150-3	4
250ml	62 x 100	AR8250-3	4

**Tube type: Falcon with cap. Shape: Point**

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

**Tube type: Falcon with cap. Shape: Square**

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

**Tube type: Corning with cap. Shape: point**

250ml	60 x 172	AF8250-3	4
500ml	98 x 148	AF8500-3	4

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

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

**Tube type: Nalgene. Oakridge with cap. Shape: Square**

250ml	60 x 172	ANO8252-3	4
500ml	98 x 148	AH2695R	4
750ml	60 x 160	AH2695R	4 No lid

**Tube type: Monovette. Shape Square**

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

**Tube type: Vacutainer. Shape: Round also Vacuette**

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



# 70 Microtitor Plate Rotor 4 x Standard or 2 x High Plates



Rotor	BRK5540
	Complete with buckets
Rotor type Tube size max	Available with 4 x STD Plates 85mmx128mm
Minimum Rcf (G)	10
Maximum Rcf (G)	2500
Maximum Rpm	3500
Radius max cms	14
Sample tube angle °	0°C (10)
Acceleration time (secs)	30
Deceleration time (secs)	30
Autoclavable (frequency)	121°C (10)
Minimum Temperature @ 23°C	4°C



# Rotor Details

## Rotors 16,100 Rcf (G)

71



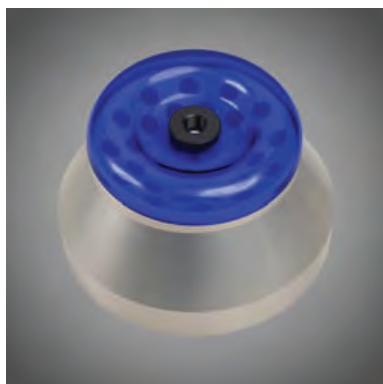
Rotor	BRK5256
Rotor type	6 x 250ml
Tube size max	62 x 130mm
Minimum Rcf (G)	10
Maximum Rcf (G)	16,100
Maximum Speed	10,000
Radius max cms	14.4
Sample tube angle °	30
Acceleration time (secs)	90
Deceleration time (secs)	180
Autoclavable (frequency)	121°C (10)
<b>Refrigerated Centrifuges Only</b>	
Minimum Temperature	4°C
At maximum speed (relative to room temperature at 23°C)	

### Reducers pack of 4

<b>Rotor</b>	BRK5256			
<b>Part number</b>	RX10 (10ml)	RX25 (25ml)	RX50 (50ml)	RX15 (15ml)
<b>Tube size max</b>	16 x 100mm	25 x 100mm	35 x 110mm	17 x 120mm
<b>Part number</b>	RX85 (85ml)	RX100 (100ml)	RX175 (175ml)	
<b>Tube size max</b>	39 x 110mm	48 x 110mm	62 x 121mm	



## 72

High Speed fixed angle rotors  
to 13,400 Rcf (G)

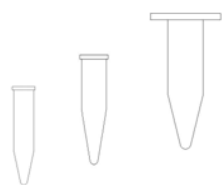
Sealed lid included

Rotor	BRK5224	BRK5208	BRK5210
Rotor type	24 x 15ml	8 x 50ml	6 x 100ml
Tube size max	17 x 120mm	30 x 120mm	38 x 125mm
Minimum Rcf (G)	10	10	10
Maximum Rcf (G)	13,400	13,400	13,400
Maximum Speed	10,000	10,000	10,000
Radius max cms	12	12	12
Sample tube angle °	30	30	30
Acceleration time (secs)	70	70	70
Deceleration time (secs)	130	130	130
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)
<b>Refrigerated Centrifuges Only</b>			
Minimum Temperature	4°C	4°C	4°C
At maximum speed (relative to room temperature at 23°C)			

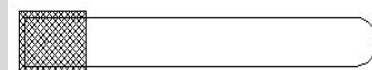
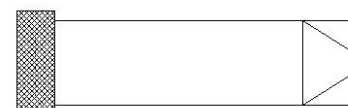
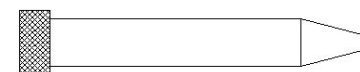
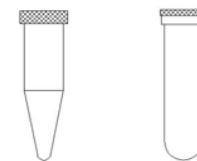
See following pages for Reducers available



## Reducers Fixed angle rotor BRK5224 Pack of 4 (Tubes per rotor 24)



Capacity	Size. mm	Part Number	Rcf (G) max	
			Outer	Inner
<b>Tube type: Micro with cap. Shape: Point</b>				
0.2ml	6 x 20	RS.620	9700	7800
0.4ml	6 x 30	RS.630	10300	8300
0.5ml	8 x 20	RS.820	9700	7800
1.5ml	11 x 38	RS.1138	10600	8600
2.0ml	11 x 38	RS.1138	10600	8600
<b>Tube type: Plain no cap. Shape: Round</b>				
1ml	6 x 45	RS.645	11000	9200
3ml	10 x 60	RS.1060	11700	9700
5ml	12 x 75	RS.1275	12200	10300
6ml	12 x 82	RS.1282	12800	10800
7ml	12 x 100	RS.12100	13400	11400
9/10ml	14 x 100	RS.14100	13400	11400
15ml	17 x 100	Not required	13400	11400
<b>Tube type: Falcon with cap. Shape: Point</b>				
15ml	17 x 120	Not required	13400	11400
<b>Tube type: Falcon with cap. Shape: Square</b>				
12ml	17 x 100	Not required	13400	11400
15ml	17 x 120	Not required	13400	11400
<b>Tube type: Nalgene. Oakridge with cap. Shape: Round</b>				
10ml	15 x 80	RS.1580	12800	10800
<b>Tube type: Monovette. Shape Square</b>				
1.1-1.4ml	8 x 82	RU.882	12800	10800
2.7-3ml	11 x 82	RU.1182	12800	10800
2.6-2.9ml	13 x 81	RU.1381	12800	10800
4.5-5ml	11 x 108	RU.11108	13400	11400
7.5-8.2ml	13 x 106	RU.13106	13400	11400
4.5-5ml	15 x 92	RU.1592	13100	11100
9-10ml	16 X 108	Not required	13400	11400
<b>Tube type: Vacutainer. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	12800	10800
4-7ml	13 x 106	RU.13106	13400	11400
7-9ml	15 x 92	RU.1592	13100	11100
8.5-10ml	16 x 108	Not required	13400	11400
<b>Tube type: Vacuette. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	12800	10800
4-7ml	13 x 106	RU.13106	13400	11400
7-9ml	15 x 92	RU.1592	13100	11100
8.5-10ml	16 x 108	Not required	13400	11400



## Reducers Fixed angle rotor BRK5208 Pack of 4 (tubes per rotor 8)

**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSB.620	8700
0.4ml	6 x 30	RSB.630	9200
0.5ml	8 x 20	RSB.820	8700
1.5ml	11 x 38	RSB.1138	9800
2.0ml	11 x 38	RSB.1138	9800

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSB.645	10100
3ml	10 x 60	RSB.1060	11200
5ml	12 x 75	RSB.1275	12300
6ml	12 x 82	RSB.1282	12600
7ml	12 x 100	RSB.12100	13400
9/10ml	14 x 100	RSB.14100	13400
15ml	17 x 100	RSB.17100	13400
25ml	24 x 100	RSB.24100	13400

**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUB.17120	13400
50ml	29 x 115	Not required	13400

**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUB.17100	13400
15ml	17 x 120	RUB.17120	13400
25ml	25 x 90	RUB.2590	12300
30ml	25 x 110	RUB.25110	13400
50ml	29 x 115	Not required	13400

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUB.1580	11700
30ml	26 x 95	RUB.2695	12300
50ml	29 x 107	Not required	13400

**Tube type: Monovette. Shape Square**

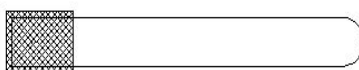
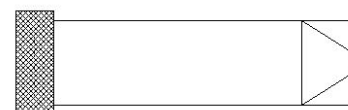
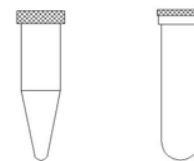
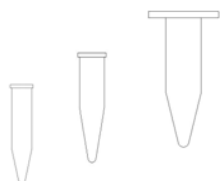
1.1-1.4ml	8 x 82	RUB.882	11700
2.7-3ml	11 x 82	RUB.1182	11700
2.6-2.9ml	13 x 81	RUB.1381	11700
4.5-5ml	11 x 108	RUB.11108	13400
7.5-8.2ml	13 x 106	RUB.13106	13400
4.5-5ml	15 x 92	RUB.1592	12000
9-10ml	16 X 108	RUB.16108	13400

**Tube type: Vacutainer. Shape: Round**

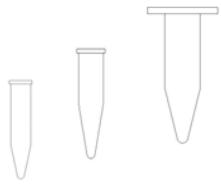
1.6-5ml	13 x 82	RUB.1382	11700
4-7ml	13 x 106	RUB.13106	13400
7-9ml	15 x 92	RUB.1592	12000
8.5-10ml	16 x 108	RUB.16108	13400

**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	11700
4-7ml	13 x 106	RUB.13106	13400
7-9ml	15 x 92	RUB.1592	12000
8.5-10ml	16 x 108	RUB.16108	13400



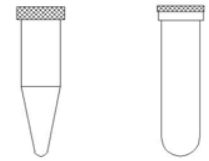
## Reducers Fixed angle rotor BRK5210 Pack of 4 (tubes per rotor 6)



**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSC.620	8700
0.4ml	6 x 30	RSC.630	9200
0.5ml	8 x 20	RSC.820	8700
1.5ml	11 x 38	RSC.1138	9800
2.0ml	11 x 38	RSC.1138	9800



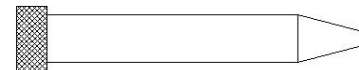
**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSC.645	10100
3ml	10 x 60	RSC.1060	11200
5ml	12 x 75	RSC.1275	12300
6ml	12 x 82	RSC.1282	12600
7ml	12 x 100	RSC.12100	13400
9/10ml	14 x 100	RSC.14100	134000
15ml	17 x 100	RSC.17100	13400
25ml	24 x 100	RSC.24100	13400
50ml	34 x 100	RSC.34100	13400



**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUC.17120	13400
50ml	29 x 115	RUC.29115	13400



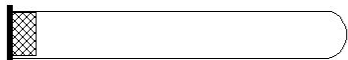
**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUC.17100	13400
15ml	17 x 120	RUC.17120	4800
25ml	25 x 90	RUC.2590	13400
30ml	25 x 110	RUC.25110	13400
50ml	29 x 115	RUC.29115	13400



**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUC.1580	11700
30ml	26 x 95	RUC.2695	12300
50ml	29 x 107	RUC.29107	13400
100ml	38 x 106	RUC.38106	13400



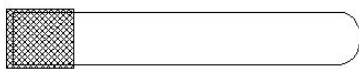
**Tube type: Monovette. Shape Square**

1.1-1.4ml	8 x 82	RUC.882	11700
2.7-3ml	11 x 82	RUC.1182	11700
2.6-2.9ml	13 x 81	RUC.1381	11700
4.5-5ml	11 x 108	RUC.11108	13400
7.5-8.2ml	13 x 106	RUC.13106	13400
4.5-5ml	15 x 92	RUC.1592	12000
9-10ml	16 X 108	RUC.16108	13400



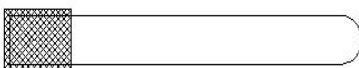
**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUC.1382	11700
4-7ml	13 x 106	RUC.13106	13400
7-9ml	15 x 92	RUC.1592	12000
8.5-10ml	16 x 108	RUC.16108	13400



**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUC.1382	11700
4-7ml	13 x 106	RUC.13106	13400
7-9ml	15 x 92	RUC.1592	12000
8.5-10ml	16 x 108	RUC.16108	13400



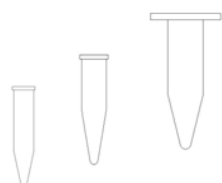
# 76 Large fixed angle rotors to 4,800 Rcf (G)



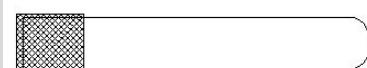
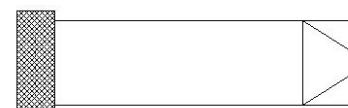
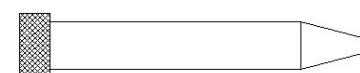
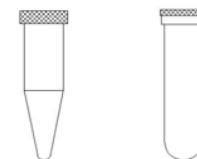
Sealed lid included

Rotor	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 Rcf (G)	10	10	10
Maximum Rcf (G)	4,800	4,800	4,800
Maximum Speed	6,000	6,000	6,000
Radius max cms	12	12	12
Sample tube angle °	30	30	30
Acceleration time (secs)	30	30	30
Deceleration time (secs)	35	35	35
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)
<b>Refrigerated Centrifuges Only</b>			
Minimum Temperature	4°C	4°C	4°C
At maximum speed (relative to room temperature at 23°C)			

## Reducers Fixed angle rotor BRK5324 Pack of 4 (Tubes per rotor 24)



Capacity	Size. mm	Part Number	Rcf (G) max	
			Outer	Inner
<b>Tube type: Micro with cap. Shape: Point</b>				
0.2ml	6 x 20	RS.620	3500	2800
0.4ml	6 x 30	RS.630	3700	3000
0.5ml	8 x 20	RS.820	3500	2800
1.5ml	11 x 38	RS.1138	3800	3100
2.0ml	11 x 38	RS.1138	3800	3100
<b>Tube type: Plain no cap. Shape: Round</b>				
1ml	6 x 45	RS.645	3950	3300
3ml	10 x 60	RS.1060	4200	3500
5ml	12 x 75	RS.1275	4400	3700
6ml	12 x 82	RS.1282	4600	3900
7ml	12 x 100	RS.12100	4800	4100
9/10ml	14 x 100	RS.14100	4800	4100
15ml	17 x 100	Not required	4800	4100
<b>Tube type: Falcon with cap. Shape: Point</b>				
15ml	17 x 120	Not required	4800	4100
<b>Tube type: Falcon with cap. Shape: Square</b>				
12ml	17 x 100	Not required	4800	4100
15ml	17 x 120	Not required	4800	4100
<b>Tube type: Nalgene. Oakridge with cap. Shape: Round</b>				
10ml	15 x 80	RS.1580	4600	3900
<b>Tube type: Monovette. Shape Square</b>				
1.1-1.4ml	8 x 82	RU.882	4600	3900
2.7-3ml	11 x 82	RU.1182	4600	3900
2.6-2.9ml	13 x 81	RU.1381	4600	3900
4.5-5ml	11 x 108	RU.11108	4800	4100
7.5-8.2ml	13 x 106	RU.13106	4800	4100
4.5-5ml	15 x 92	RU.1592	4700	4000
9-10ml	16 X 108	Not required	4800	4100
<b>Tube type: Vacutainer. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	4600	3900
4-7ml	13 x 106	RU.13106	4800	4100
7-9ml	15 x 92	RU.1592	4700	4000
8.5-10ml	16 x 108	Not required	4800	4100
<b>Tube type: Vacuette. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	4600	3900
4-7ml	13 x 106	RU.13106	4800	4100
7-9ml	15 x 92	RU.1592	4700	4000
8.5-10ml	16 x 108	Not required	4800	4100



## Reducers Fixed angle rotor BRK5308 Pack of 4 (tubes per rotor 24)

**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSB.620	3100
0.4ml	6 x 30	RSB.630	3300
0.5ml	8 x 20	RSB.820	3100
1.5ml	11 x 38	RSB.1138	3500
2.0ml	11 x 38	RSB.1138	3500

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSB.645	3600
3ml	10 x 60	RSB.1060	4000
5ml	12 x 75	RSB.1275	4400
6ml	12 x 82	RSB.1282	4500
7ml	12 x 100	RSB.12100	4800
9/10ml	14 x 100	RSB.14100	4800
15ml	17 x 100	RSB.17100	4800
25ml	24 x 100	RSB.24100	4800

**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUB.17120	4800
50ml	29 x 115	Not required	4800

**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUB.17100	4800
15ml	17 x 120	RUB.17120	4800
25ml	25 x 90	RUB.2590	4400
30ml	25 x 110	RUB.25110	4800
50ml	29 x 115	Not required	4800

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUB.1580	4200
30ml	26 x 95	RUB.2695	4400
50ml	29 x 107	Not required	4800

**Tube type: Monovette. Shape Square**

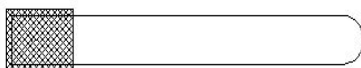
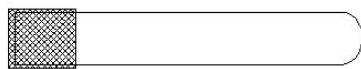
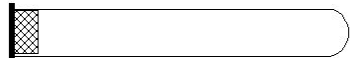
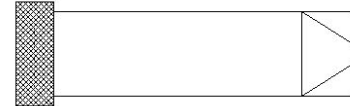
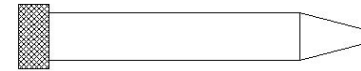
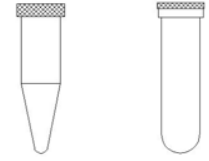
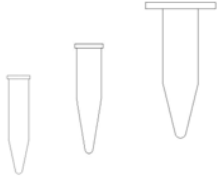
1.1-1.4ml	8 x 82	RUB.882	4200
2.7-3ml	11 x 82	RUB.1182	4200
2.6-2.9ml	13 x 81	RUB.1381	4200
4.5-5ml	11 x 108	RUB.11108	4800
7.5-8.2ml	13 x 106	RUB.13106	4800
4.5-5ml	15 x 92	RUB.1592	4300
9-10ml	16 X 108	RUB.16108	4800

**Tube type: Vacutainer. Shape: Round**

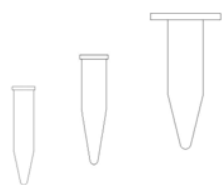
1.6-5ml	13 x 82	RUB.1382	4200
4-7ml	13 x 106	RUB.13106	4800
7-9ml	15 x 92	RUB.1592	4300
8.5-10ml	16 x 108	RUB.16108	4800

**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	4200
4-7ml	13 x 106	RUB.13106	4800
7-9ml	15 x 92	RUB.1592	4300
8.5-10ml	16 x 108	RUB.16108	4800



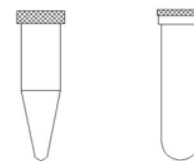
## Reducers Fixed angle rotor BRK5100 Pack of 4 (tubes per rotor 6)



**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSC.620	3100
0.4ml	6 x 30	RSC.630	3300
0.5ml	8 x 20	RSC.820	3100
1.5ml	11 x 38	RSC.1138	3500
2.0ml	11 x 38	RSC.1138	3500



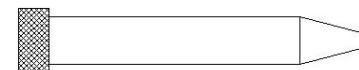
**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSC.645	3600
3ml	10 x 60	RSC.1060	4000
5ml	12 x 75	RSC.1275	4400
6ml	12 x 82	RSC.1282	4500
7ml	12 x 100	RSC.12100	4800
9/10ml	14 x 100	RSC.14100	4800
15ml	17 x 100	RSC.17100	4800
25ml	24 x 100	RSC.24100	4800
50ml	34 x 100	RSC.34100	4800



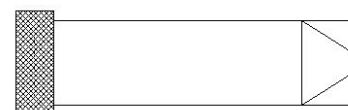
**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUC.17120	4800
50ml	29 x 115	RUC.29115	4800



**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUC.17100	4800
15ml	17 x 120	RUC.17120	4800
25ml	25 x 90	RUC.2590	4400
30ml	25 x 110	RUC.25110	4800
50ml	29 x 115	RUC.29115	4800



**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUC.1580	4200
30ml	26 x 95	RUC.2695	4400
50ml	29 x 107	RUC.29107	4800
100ml	38 x 106	RUC.38106	4800



**Tube type: Monovette. Shape Square**

1.1-1.4ml	8 x 82	RUC.882	4200
2.7-3ml	11 x 82	RUC.1182	4200
2.6-2.9ml	13 x 81	RUC.1381	4200
4.5-5ml	11 x 108	RUC.11108	4800
7.5-8.2ml	13 x 106	RUC.13106	4800
4.5-5ml	15 x 92	RUC.1592	4300
9-10ml	16 X 108	RUC.16108	4800



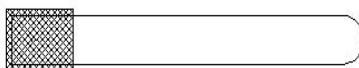
**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUC.1382	4200
4-7ml	13 x 106	RUC.13106	4800
7-9ml	15 x 92	RUC.1592	4300
8.5-10ml	16 x 108	RUC.16108	4800



**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUC.1382	4200
4-7ml	13 x 106	RUC.13106	4800
7-9ml	15 x 92	RUC.1592	4300
8.5-10ml	16 x 108	RUC.16108	4800



# 80 Micro rotors to 22,000 Rcf (G)



Supplied with Sealed lid

Rotor	BRK5424	BRK5436	BRK5448	BRK5494
Rotor type	24 x 2.2ml	36 x 0.5ml	48 x 0.2 to 0.4ml	4 x Pcr Strips
Tube size max	11 x 40mm	8 x 30mm	6 x 40mm	6 x 40mm
Minimum Rcf (G)	10	10	10	10
Maximum Rcf (G)	22,000	22,000	22,000	22,000
Maximum Rpm	15,000	15,000	15,000	15,000
Radius max 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
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)	121°C (10)

## Reducers pack of 4

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

## Reducers pack of 4

<b>Rotor</b>	BRK5248.BRK5249
<b>Part number</b>	RS04 (0.2- 0.4ml)
<b>Tube size max</b>	6 x 30mm
<b>Part number</b>	RS05 (0.5ml)
<b>Tube size max</b>	8 x 30mm



## **Why Does my Centrifuge and accessories need servicing?**

A yearly service validates your warranty. As with every appliance you purchase servicing extends the lifetime of the product and negates the need for constant replacement. Which in turn equals money saving.

We appreciate how hard your Centrifuge is used and how it is an imperative tool for your laboratory.

Downtime is therefore not acceptable

However if it is regularly maintained you improve its reliability and extend its life Our Pro-Care parts offer you all that is needed to service our Centrifuges correctly. Full instructions on replacement and any necessary adjustments are included

Using a third party service company without training and the correct parts is not acceptable. All our distributors, for products sold outside of the UK have received training and authority to service our centrifuges.

## **NOTE**

Centrifuges can be dangerous.

Although Centurion Scientific Ltd has an exceptional reputation , if a rotor lid or poor seals are not replaced regularly, breakage, can result in severe damage further.

Servicing of our Centrifuges are also a requirement to validate your warranty, authorised distributors and Centurion Scientific Ltd parts are to be used.

# 82 Large 3L Ambient Centrifuge and one rotor .

(one rotor use only).

DUAL MODEL

Swing out rotor see page 68 includes B2001 buckets. Adaptors are required

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)
K704A	1.K704A	BRK3000 & B3001 buckets



Microtitor rotor page 70

Part nos. 230v	Part nos. 110v 60Hz	Rotor. 15,800 Rcf (G)
K703A	1.K703A	BRK5540



High speed Fixed angle rotors page 72

Part nos. 230v	Part nos. 110v 60Hz	Rotor. 3,500 Rcf (G)
K710A	1.K710A	BRK5224
K710B	1.K710B	BRK5208
K710C	1.K710C	BRK5210



Fixed angle rotors page 76

Part nos. 230V	Part nos. 110v 60Hz	Rotor. 1520 Rcf (G)
K706A	1.K706A	BRK5324
K706B	1.K706B	BRK5308
K706C	1.K706C	BRK5100



Micro tube rotors see page 80

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)
------------------------	---------------------	-----------------------

Only available with Prime model C704



Large fixed angle rotor see page 71

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)
K711A	1.K711A	BRK5256



# Large 3L Refrigerated Centrifuge and one rotor .83

(one rotor use only).

DUAL MODEL

Swing out rotor see page 68 includes B2001 buckets. Adaptors are required

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)
------------------------	---------------------	-----------------------

K704RA

1.K704RA

BRK3000  
& B3001 buckets



Microtitor rotor page 70

Part nos. 230v	Part nos. 110v 60Hz	Rotor. 15,800 Rcf (G)
----------------	---------------------	-----------------------

K703RA

1.K703RA

BRK5540



High speed Fixed angle rotors page 72

Part nos. 230v	Part nos. 110v 60Hz	Rotor. 3,500 Rcf (G)
----------------	---------------------	----------------------

K710RA

1.K710RA

BRK5224

K710RB

1.K710RB

BRK5208

K710RC

1.K710RC

BRK5210



Fixed angle rotors page 76

Part nos. 230V	Part nos. 110v 60Hz	Rotor. 1520 Rcf (G)
----------------	---------------------	---------------------

K706RA

1.K706RA

BRK5324

K706RB

1.K706RB

BRK5308

K706RC

1.K706RC

BRK5100



Micro tube rotors see page 80

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)
------------------------	---------------------	-----------------------

Only available with Prime model C704



Large fixed angle rotor see page 9

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)
------------------------	---------------------	-----------------------

K711RA

1.K711RA

BRK5256



## Floor Centrifuges to 4Litre max Prime multi rotor Centrifuges

### K2FS4/R Floor Standing Centrifuge (4L Max)



Display indicative only

#### K2FS4 Ambient

K2FS4.(230V 50/60Hz). 1.K2FS4.(110V 60Hz)

<b>Speed</b>	15,000 Rpm max(1 Rpm steps)
<b>Rcf Max</b>	10 - 24,000 G
<b>Timer</b>	0-99hours & Hold (1 sec steps)
<b>Dims HWD</b>	1000 x 575 x 660mm
<b>Weight</b>	80 Kg (without rotor)
<b>Power</b>	1200 Watts
<b>Memory</b>	99 programs
<b>Accel rates</b>	10 programs
<b>Decel rates</b>	10 programs

#### K2FS4R Refrigerated

K2FS4R.(230V 50/60Hz). 1.K2FS4R.(110V 60Hz).

<b>Speed</b>	15,000 Rpm max(1 Rpm steps)
<b>Rcf Max</b>	10 - 24,000 G
<b>Timer</b>	0-99hours & Hold (1 sec steps)
<b>Dims HWD</b>	1000 x 575 x 660mm
<b>Weight</b>	115 Kg (without rotor)
<b>Power</b>	1200 Watts
<b>Memory</b>	99 programs
<b>Accel rates</b>	10 programs
<b>Decel rates</b>	10 programs
<b>Temp</b>	-10°C to + 40°C PID Controlled to + / - 1°C

The following pages show available rotors.

# Swing out Rotor 4 x 1000ml Max. 4,500 Rcf (G)

85

## BRK3000

4 Litre max capacity

B4001 Bucket (set 4) REQUIRED.  
1000ml max per Bucket



Shown with optional B5319 sealed lids

**Adaptors** required see following page

Rotor/Buckets	BRK3000. B4001 Buckets
Tube size max	98 x 180mm
Minimum Rcf (G)	10
Maximum Speed	4000Rpm
Maximum Rcf (G)	4500
Radius max cms	25.5
Sample tube angle °	0
Acceleration time (secs)	45
Deceleration time (secs)	60
Autoclavable (frequency)	121°C (20)
Minimum Temperature @ 23°C	4°C

## Adaptors for Buckets. B4001 Pack of 4

Capacity	Size. mm	Part Number	Tubes per rotor
----------	----------	-------------	-----------------

**Tube type: Micro with cap. Shape: Point**

0.5ml	8 x 20	AM805-4	288
1.5ml	11 x 38	AM820-4	184
2.0ml	11 x 38	AM820-4	184
0.2ml	6 x 20	AM802-4	336
0.4ml	6 x 30	AM804-4	336

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	AR801-4	168
3ml	10 x 60	AR803-4	96
5ml	12 x 75	AR805-4	96
6ml	12 x 82	AR806-4	96
7ml	12 x 100	AR807-4	96
9/10ml	14 x 100	AR809-4	84
15ml	17 x 100	AR815-4	48
25ml	24 x 100	AR825-4	28
50ml	34 x 100	AR850-4	16
100ml	45 x 100	AR8100-4	8
125ml	52 x 100	AR8150-4	4
250ml	62 x 100	AR8250-4	4

**Tube type: Falcon with cap. Shape: Point**

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

**Tube type: Falcon with cap. Shape: Square**

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

**Tube type: Corning with cap. Shape: point**

250ml	60 x 172	AF8250-4	4
500ml	98 x 148	AF8500-4	4

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

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

**Tube type: Nalgene. Oakridge with cap. Shape: Square**

250ml	60 x 172	ANO8252-4	4
500ml	98 x 148	AH2695R	4 No lid
750ml	60 x 160	AH2695R	4 No lid
1000ml	98 x 170	AH2695R	4 No lid

**Tube type: Monovette. Shape Square**

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

**Tube type: Vacutainer. Shape: Round also Vacuette**

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



# Microtitor Plate Rotor 4 x Standard or 2 x High Plates

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Rotor	BRK5540
	Complete with buckets
Rotor type	Available with 4 x STD Plates
Tube size max	85mmx128mm
Minimum Rcf (G)	10
Maximum Rcf (G)	2500
Maximum Rpm	3500
Radius max cms	14
Sample tube angle °	0°C (10)
Acceleration time (secs)	30
Deceleration time (secs)	30
Autoclavable (frequency)	121°C (10)
Minimum Temperature @ 23°C	4°C





# Rotor Details

## Rotors 16,100 Rcf (G)



Rotor	BRK5256
Rotor type	6 x 250ml
Tube size max	62 x 130mm
Minimum Rcf (G)	10
Maximum Rcf (G)	16,100
Maximum Speed	10,000
Radius max cms	14.4
Sample tube angle °	30
Acceleration time (secs)	90
Deceleration time (secs)	180
Autoclavable (frequency)	121°C (10)
<b>Refrigerated Centrifuges Only</b>	
Minimum Temperature	4°C
At maximum speed (relative to room temperature at 23°C)	

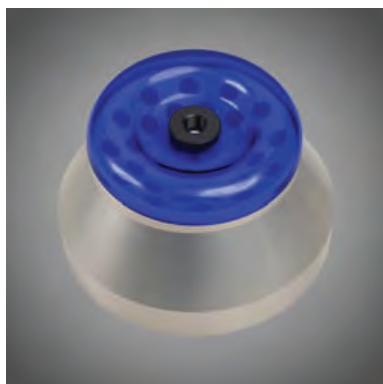
### Reducers pack of 4

<b>Rotor</b>	BRK5256			
<b>Part number</b>	RX10 (10ml)	RX25 (25ml)	RX50 (50ml)	RX15 (15ml)
<b>Tube size max</b>	16 x 100mm	25 x 100mm	35 x 110mm	17 x 120mm
<b>Part number</b>	RX85 (85ml)	RX100 (100ml)	RX175 (175ml)	
<b>Tube size max</b>	39 x 110mm	48 x 110mm	62 x 121mm	



# High Speed fixed angle rotors to 13,400 Rcf (G)

89

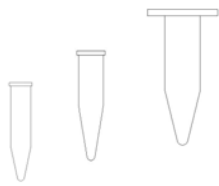


Sealed lid included

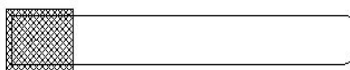
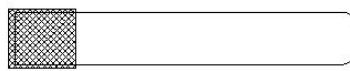
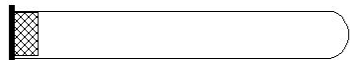
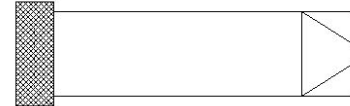
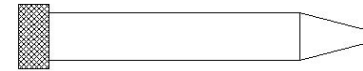
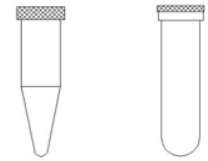
Rotor	BRK5224	BRK5208	BRK5210
Rotor type	24 x 15ml	8 x 50ml	6 x 100ml
Tube size max	17 x 120mm	30 x 120mm	38 x 125mm
Minimum Rcf (G)	10	10	10
Maximum Rcf (G)	13,400	13,400	13,400
Maximum Speed	10,000	10,000	10,000
Radius max cms	12	12	12
Sample tube angle °	30	30	30
Acceleration time (secs)	70	70	70
Deceleration time (secs)	130	130	130
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)
<b>Refrigerated Centrifuges Only</b>			
Minimum Temperature	4°C	4°C	4°C
At maximum speed (relative to room temperature at 23°C)			

See following pages for Reducers available

## Reducers Fixed angle rotor BRK5224 Pack of 4 (Tubes per rotor 24)



Capacity	Size. mm	Part Number	Rcf (G) max	
			Outer	Inner
<b>Tube type: Micro with cap. Shape: Point</b>				
0.2ml	6 x 20	RS.620	9700	7800
0.4ml	6 x 30	RS.630	10300	8300
0.5ml	8 x 20	RS.820	9700	7800
1.5ml	11 x 38	RS.1138	10600	8600
2.0ml	11 x 38	RS.1138	10600	8600
<b>Tube type: Plain no cap. Shape: Round</b>				
1ml	6 x 45	RS.645	11000	9200
3ml	10 x 60	RS.1060	11700	9700
5ml	12 x 75	RS.1275	12200	10300
6ml	12 x 82	RS.1282	12800	10800
7ml	12 x 100	RS.12100	13400	11400
9/10ml	14 x 100	RS.14100	13400	11400
15ml	17 x 100	Not required	13400	11400
<b>Tube type: Falcon with cap. Shape: Point</b>				
15ml	17 x 120	Not required	13400	11400
<b>Tube type: Falcon with cap. Shape: Square</b>				
12ml	17 x 100	Not required	13400	11400
15ml	17 x 120	Not required	13400	11400
<b>Tube type: Nalgene. Oakridge with cap. Shape: Round</b>				
10ml	15 x 80	RS.1580	12800	10800
<b>Tube type: Monovette. Shape Square</b>				
1.1-1.4ml	8 x 82	RU.882	12800	10800
2.7-3ml	11 x 82	RU.1182	12800	10800
2.6-2.9ml	13 x 81	RU.1381	12800	10800
4.5-5ml	11 x 108	RU.11108	13400	11400
7.5-8.2ml	13 x 106	RU.13106	13400	11400
4.5-5ml	15 x 92	RU.1592	13100	11100
9-10ml	16 X 108	Not required	13400	11400
<b>Tube type: Vacutainer. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	12800	10800
4-7ml	13 x 106	RU.13106	13400	11400
7-9ml	15 x 92	RU.1592	13100	11100
8.5-10ml	16 x 108	Not required	13400	11400
<b>Tube type: Vacuette. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	12800	10800
4-7ml	13 x 106	RU.13106	13400	11400
7-9ml	15 x 92	RU.1592	13100	11100
8.5-10ml	16 x 108	Not required	13400	11400



## Reducers Fixed angle rotor BRK5208 Pack of 4 (tubes per rotor 8)

**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSB.620	8700
0.4ml	6 x 30	RSB.630	9200
0.5ml	8 x 20	RSB.820	8700
1.5ml	11 x 38	RSB.1138	9800
2.0ml	11 x 38	RSB.1138	9800

**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSB.645	10100
3ml	10 x 60	RSB.1060	11200
5ml	12 x 75	RSB.1275	12300
6ml	12 x 82	RSB.1282	12600
7ml	12 x 100	RSB.12100	13400
9/10ml	14 x 100	RSB.14100	13400
15ml	17 x 100	RSB.17100	13400
25ml	24 x 100	RSB.24100	13400

**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUB.17120	13400
50ml	29 x 115	Not required	13400

**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUB.17100	13400
15ml	17 x 120	RUB.17120	13400
25ml	25 x 90	RUB.2590	12300
30ml	25 x 110	RUB.25110	13400
50ml	29 x 115	Not required	13400

**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUB.1580	11700
30ml	26 x 95	RUB.2695	12300
50ml	29 x 107	Not required	13400

**Tube type: Monovette. Shape Square**

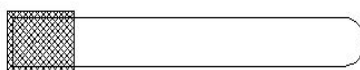
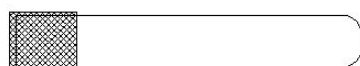
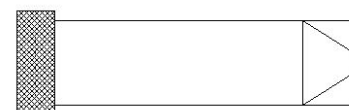
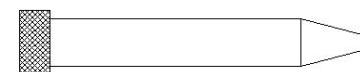
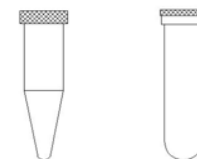
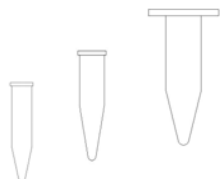
1.1-1.4ml	8 x 82	RUB.882	11700
2.7-3ml	11 x 82	RUB.1182	11700
2.6-2.9ml	13 x 81	RUB.1381	11700
4.5-5ml	11 x 108	RUB.11108	13400
7.5-8.2ml	13 x 106	RUB.13106	13400
4.5-5ml	15 x 92	RUB.1592	12000
9-10ml	16 X 108	RUB.16108	13400

**Tube type: Vacutainer. Shape: Round**

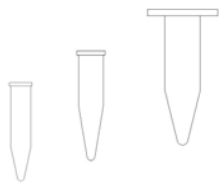
1.6-5ml	13 x 82	RUB.1382	11700
4-7ml	13 x 106	RUB.13106	13400
7-9ml	15 x 92	RUB.1592	12000
8.5-10ml	16 x 108	RUB.16108	13400

**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	11700
4-7ml	13 x 106	RUB.13106	13400
7-9ml	15 x 92	RUB.1592	12000
8.5-10ml	16 x 108	RUB.16108	13400



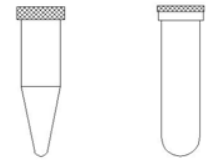
## Reducers Fixed angle rotor BRK5210 Pack of 4 (tubes per rotor 6)



**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSC.620	8700
0.4ml	6 x 30	RSC.630	9200
0.5ml	8 x 20	RSC.820	8700
1.5ml	11 x 38	RSC.1138	9800
2.0ml	11 x 38	RSC.1138	9800



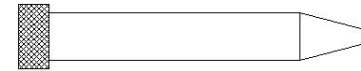
**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSC.645	10100
3ml	10 x 60	RSC.1060	11200
5ml	12 x 75	RSC.1275	12300
6ml	12 x 82	RSC.1282	12600
7ml	12 x 100	RSC.12100	13400
9/10ml	14 x 100	RSC.14100	134000
15ml	17 x 100	RSC.17100	13400
25ml	24 x 100	RSC.24100	13400
50ml	34 x 100	RSC.34100	13400



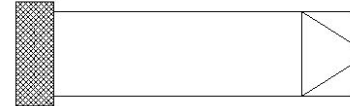
**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUC.17120	13400
50ml	29 x 115	RUC.29115	13400



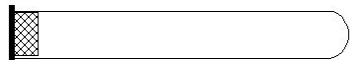
**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUC.17100	13400
15ml	17 x 120	RUC.17120	4800
25ml	25 x 90	RUC.2590	13400
30ml	25 x 110	RUC.25110	13400
50ml	29 x 115	RUC.29115	13400



**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUC.1580	11700
30ml	26 x 95	RUC.2695	12300
50ml	29 x 107	RUC.29107	13400
100ml	38 x 106	RUC.38106	13400



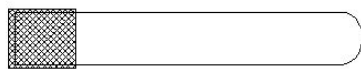
**Tube type: Monovette. Shape Square**

1.1-1.4ml	8 x 82	RUC.882	11700
2.7-3ml	11 x 82	RUC.1182	11700
2.6-2.9ml	13 x 81	RUC.1381	11700
4.5-5ml	11 x 108	RUC.11108	13400
7.5-8.2ml	13 x 106	RUC.13106	13400
4.5-5ml	15 x 92	RUC.1592	12000
9-10ml	16 X 108	RUC.16108	13400



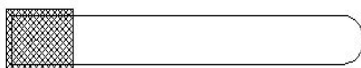
**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUC.1382	11700
4-7ml	13 x 106	RUC.13106	13400
7-9ml	15 x 92	RUC.1592	12000
8.5-10ml	16 x 108	RUC.16108	13400



**Tube type: Vacuette. Shape: Round**

1.6-5ml	13 x 82	RUC.1382	11700
4-7ml	13 x 106	RUC.13106	13400
7-9ml	15 x 92	RUC.1592	12000
8.5-10ml	16 x 108	RUC.16108	13400



# Large fixed angle rotors to 4,800 Rcf (G)

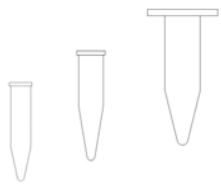
93



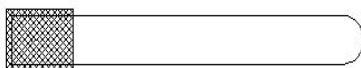
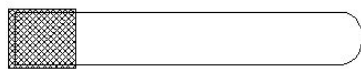
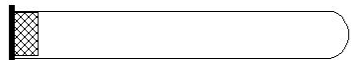
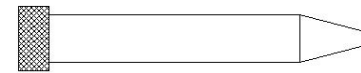
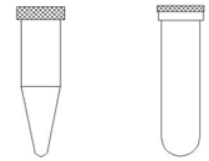
Sealed lid included

Rotor	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 Rcf (G)	10	10	10
Maximum Rcf (G)	4,800	4,800	4,800
Maximum Speed	6,000	6,000	6,000
Radius max cms	12	12	12
Sample tube angle °	30	30	30
Acceleration time (secs)	30	30	30
Deceleration time (secs)	35	35	35
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)
<b>Refrigerated Centrifuges Only</b>			
Minimum Temperature	4°C	4°C	4°C
At maximum speed (relative to room temperature at 23°C)			

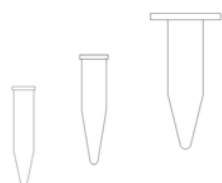
## Reducers Fixed angle rotor BRK5324 Pack of 4 (Tubes per rotor 24)



Capacity	Size. mm	Part Number	Rcf (G) max	
			Outer	Inner
<b>Tube type: Micro with cap. Shape: Point</b>				
0.2ml	6 x 20	RS.620	3500	2800
0.4ml	6 x 30	RS.630	3700	3000
0.5ml	8 x 20	RS.820	3500	2800
1.5ml	11 x 38	RS.1138	3800	3100
2.0ml	11 x 38	RS.1138	3800	3100
<b>Tube type: Plain no cap. Shape: Round</b>				
1ml	6 x 45	RS.645	3950	3300
3ml	10 x 60	RS.1060	4200	3500
5ml	12 x 75	RS.1275	4400	3700
6ml	12 x 82	RS.1282	4600	3900
7ml	12 x 100	RS.12100	4800	4100
9/10ml	14 x 100	RS.14100	4800	4100
15ml	17 x 100	Not required	4800	4100
<b>Tube type: Falcon with cap. Shape: Point</b>				
15ml	17 x 120	Not required	4800	4100
<b>Tube type: Falcon with cap. Shape: Square</b>				
12ml	17 x 100	Not required	4800	4100
15ml	17 x 120	Not required	4800	4100
<b>Tube type: Nalgene. Oakridge with cap. Shape: Round</b>				
10ml	15 x 80	RS.1580	4600	3900
<b>Tube type: Monovette. Shape Square</b>				
1.1-1.4ml	8 x 82	RU.882	4600	3900
2.7-3ml	11 x 82	RU.1182	4600	3900
2.6-2.9ml	13 x 81	RU.1381	4600	3900
4.5-5ml	11 x 108	RU.11108	4800	4100
7.5-8.2ml	13 x 106	RU.13106	4800	4100
4.5-5ml	15 x 92	RU.1592	4700	4000
9-10ml	16 X 108	Not required	4800	4100
<b>Tube type: Vacutainer. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	4600	3900
4-7ml	13 x 106	RU.13106	4800	4100
7-9ml	15 x 92	RU.1592	4700	4000
8.5-10ml	16 x 108	Not required	4800	4100
<b>Tube type: Vacuette. Shape: Round</b>				
1.6-5ml	13 x 82	RU.1382	4600	3900
4-7ml	13 x 106	RU.13106	4800	4100
7-9ml	15 x 92	RU.1592	4700	4000
8.5-10ml	16 x 108	Not required	4800	4100



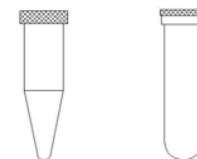
## Reducers Fixed angle rotor BRK5308 Pack of 4 (tubes per rotor 24)



**Capacity**                      **Size. mm**                      **Part Number**    **Rcf (G) max**

**Tube type: Micro with cap. Shape: Point**

0.2ml	6 x 20	RSB.620	3100
0.4ml	6 x 30	RSB.630	3300
0.5ml	8 x 20	RSB.820	3100
1.5ml	11 x 38	RSB.1138	3500
2.0ml	11 x 38	RSB.1138	3500



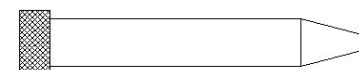
**Tube type: Plain no cap. Shape: Round**

1ml	6 x 45	RSB.645	3600
3ml	10 x 60	RSB.1060	4000
5ml	12 x 75	RSB.1275	4400
6ml	12 x 82	RSB.1282	4500
7ml	12 x 100	RSB.12100	4800
9/10ml	14 x 100	RSB.14100	4800
15ml	17 x 100	RSB.17100	4800
25ml	24 x 100	RSB.24100	4800



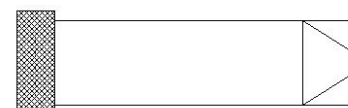
**Tube type: Falcon with cap. Shape: Point**

15ml	17 x 120	RUB.17120	4800
50ml	29 x 115	Not required	4800



**Tube type: Falcon with cap. Shape: Square**

12ml	17 x 100	RUB.17100	4800
15ml	17 x 120	RUB.17120	4800
25ml	25 x 90	RUB.2590	4400
30ml	25 x 110	RUB.25110	4800
50ml	29 x 115	Not required	4800



**Tube type: Nalgene. Oakridge with cap. Shape: Round**

10ml	15 x 80	RUB.1580	4200
30ml	26 x 95	RUB.2695	4400
50ml	29 x 107	Not required	4800



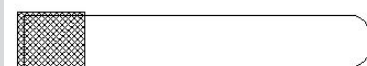
**Tube type: Monovette. Shape Square**

1.1-1.4ml	8 x 82	RUB.882	4200
2.7-3ml	11 x 82	RUB.1182	4200
2.6-2.9ml	13 x 81	RUB.1381	4200
4.5-5ml	11 x 108	RUB.11108	4800
7.5-8.2ml	13 x 106	RUB.13106	4800
4.5-5ml	15 x 92	RUB.1592	4300
9-10ml	16 X 108	RUB.16108	4800



**Tube type: Vacutainer. Shape: Round**

1.6-5ml	13 x 82	RUB.1382	4200
4-7ml	13 x 106	RUB.13106	4800
7-9ml	15 x 92	RUB.1592	4300
8.5-10ml	16 x 108	RUB.16108	4800

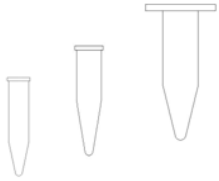


**Tube type: Vacuette. Shape: Round**

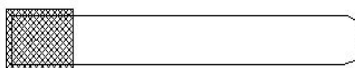
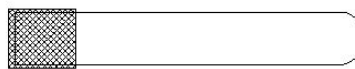
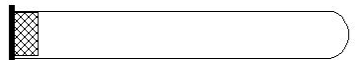
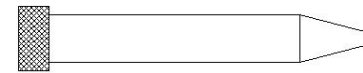
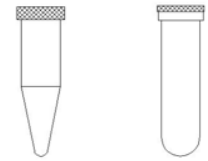
1.6-5ml	13 x 82	RUB.1382	4200
4-7ml	13 x 106	RUB.13106	4800
7-9ml	15 x 92	RUB.1592	4300
8.5-10ml	16 x 108	RUB.16108	4800



Reducers Fixed angle rotor BRK5100 Pack of 4 (tubes per rotor 6)



Capacity	Size. mm	Part Number	Rcf (G) max
<b>Tube type: Micro with cap. Shape: Point</b>			
0.2ml	6 x 20	RSC.620	3100
0.4ml	6 x 30	RSC.630	3300
0.5ml	8 x 20	RSC.820	3100
1.5ml	11 x 38	RSC.1138	3500
2.0ml	11 x 38	RSC.1138	3500
<b>Tube type: Plain no cap. Shape: Round</b>			
1ml	6 x 45	RSC.645	3600
3ml	10 x 60	RSC.1060	4000
5ml	12 x 75	RSC.1275	4400
6ml	12 x 82	RSC.1282	4500
7ml	12 x 100	RSC.12100	4800
9/10ml	14 x 100	RSC.14100	4800
15ml	17 x 100	RSC.17100	4800
25ml	24 x 100	RSC.24100	4800
50ml	34 x 100	RSC.34100	4800
<b>Tube type: Falcon with cap. Shape: Point</b>			
15ml	17 x 120	RUC.17120	4800
50ml	29 x 115	RUC.29115	4800
<b>Tube type: Falcon with cap. Shape: Square</b>			
12ml	17 x 100	RUC.17100	4800
15ml	17 x 120	RUC.17120	4800
25ml	25 x 90	RUC.2590	4400
30ml	25 x 110	RUC.25110	4800
50ml	29 x 115	RUC.29115	4800
<b>Tube type: Nalgene. Oakridge with cap. Shape: Round</b>			
10ml	15 x 80	RUC.1580	4200
30ml	26 x 95	RUC.2695	4400
50ml	29 x 107	RUC.29107	4800
100ml	38 x 106	RUC.38106	4800
<b>Tube type: Monovette. Shape Square</b>			
1.1-1.4ml	8 x 82	RUC.882	4200
2.7-3ml	11 x 82	RUC.1182	4200
2.6-2.9ml	13 x 81	RUC.1381	4200
4.5-5ml	11 x 108	RUC.11108	4800
7.5-8.2ml	13 x 106	RUC.13106	4800
4.5-5ml	15 x 92	RUC.1592	4300
9-10ml	16 X 108	RUC.16108	4800
<b>Tube type: Vacutainer. Shape: Round</b>			
1.6-5ml	13 x 82	RUC.1382	4200
4-7ml	13 x 106	RUC.13106	4800
7-9ml	15 x 92	RUC.1592	4300
8.5-10ml	16 x 108	RUC.16108	4800
<b>Tube type: Vacuette. Shape: Round</b>			
1.6-5ml	13 x 82	RUC.1382	4200
4-7ml	13 x 106	RUC.13106	4800
7-9ml	15 x 92	RUC.1592	4300
8.5-10ml	16 x 108	RUC.16108	4800





# Micro rotors to 22,000 Rcf (G)

97



Supplied with Sealed lid

Rotor	BRK5424	BRK5436	BRK5448	BRK5494
Rotor type	24 x 2.2ml	36 x 0.5ml	48 x 0.2 to 0.4ml	4 x Pcr Strips
Tube size max	11 x 40mm	8 x 30mm	6 x 40mm	6 x 40mm
Minimum Rcf (G)	10	10	10	10
Maximum Rcf (G)	22,000	22,000	22,000	22,000
Maximum Rpm	15,000	15,000	15,000	15,000
Radius max 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
Autoclavable (frequency)	121°C (10)	121°C (10)	121°C (10)	121°C (10)

## Reducers pack of 4

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

## Reducers pack of 4

<b>Rotor</b>	BRK5248.BRK5249
<b>Part number</b>	RS04 (0.2- 0.4ml)
<b>Tube size max</b>	6 x 30mm
<b>Part number</b>	RS05 (0.5ml)
<b>Tube size max</b>	8 x 30mm

# 98 Floor Ambient Centrifuge and one rotor.

(one rotor use only).

DUAL MODEL

Swing out rotor see page 85 includes B2001 buckets. Adaptors are required

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 4,500 Rcf (G)
------------------------	---------------------	----------------------

K2FS4A

1.K2FS4A

BRK3000  
& B4001 buckets



Microtitor rotor page 87

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 2,500 Rcf (G)
------------------------	---------------------	----------------------

K2FS3A

1.K2FS3A

BRK5540



High speed Fixed angle rotors page 89

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 13,400 Rcf (G)
------------------------	---------------------	-----------------------

K2FS10A

1.K2FS10A

BRK5224

K2FS10B

1.K2FS10B

BRK5208

K2FS10C

1.K2FS10C

BRK5210



Fixed angle rotors page 93

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 4,800 Rcf (G)
------------------------	---------------------	----------------------

K2FS6A

1.K2FS6A

BRK5324

K2FS6B

1.K2FS6B

BRK5308

K2FS6C

1.K2FS6C

BRK5100



Micro tube rotors see page 97

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)
------------------------	---------------------	-----------------------

Only available with Prime model C504



Large Fixed angle rotor see page 88

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 16,100 Rcf (G)
------------------------	---------------------	-----------------------

K2FS11A

1.K2FS11A

BRK5256



# Floor Refrigerated Centrifuge and one rotor.

99

(one rotor use only).

DUAL MODEL

Swing out rotor see page 85 includes B2001 buckets. Adaptors are required

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 4,500 Rcf (G)
------------------------	---------------------	----------------------

K2FS4RA

1.K2FS4RA

BRK3000  
& B4001 buckets



Microtitor rotor page 87

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 2,500 Rcf (G)
------------------------	---------------------	----------------------

K2FS3RA

1.K2FS3RA

BRK5540



High speed Fixed angle rotors page 89

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 13,400 Rcf (G)
------------------------	---------------------	-----------------------

K2FS10RA

1.K2FS10RA

BRK5224

K2FS10RB

1.K2FS10RB

BRK5208

K2FS10RC

1.K2FS10RC

BRK5210



Fixed angle rotors page 93

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 4,800 Rcf (G)
------------------------	---------------------	----------------------

K2FS6RA

1.K2FS6RA

BRK5324

K2FS6RB

1.K2FS6RB

BRK5308

K2FS6RC

1.K2FS6RC

BRK5100



Micro tube rotors see page 97

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 22,000 Rcf (G)
------------------------	---------------------	-----------------------

Only available with Prime model C504



Large Fixed angle rotor see page 88

Part nos. 230v 50/60Hz	Part nos. 110v 60Hz	Rotor. 16,100 Rcf (G)
------------------------	---------------------	-----------------------

K2FS11RA

1.K2FS11RA

BRK5256



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