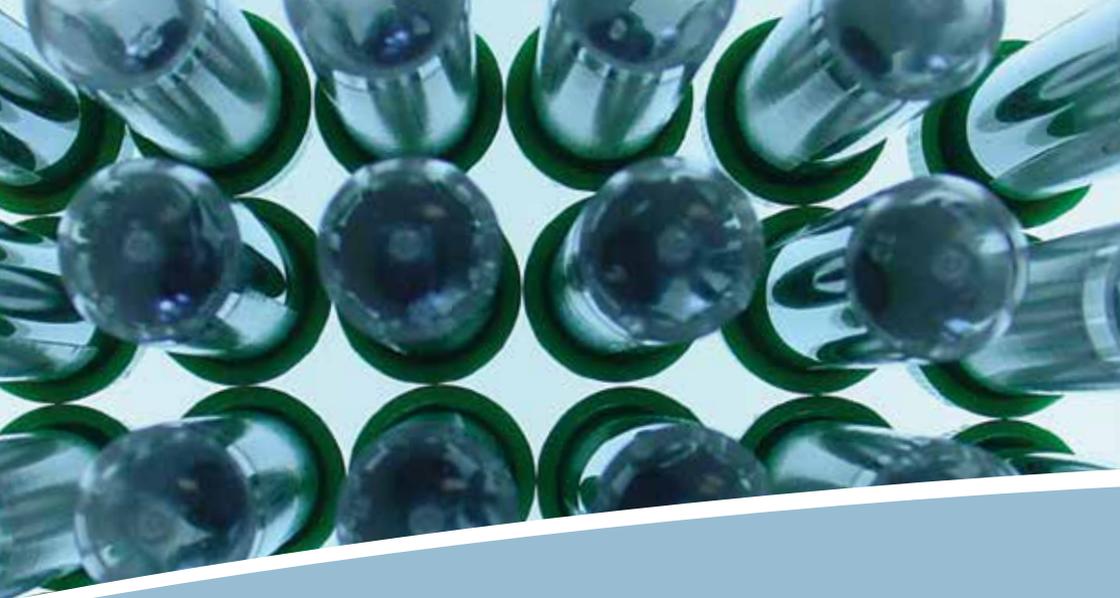


# PrO-Ed Centrifuges

Education, Schools





#### **Head Office**

The Old Stables  
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Stoughton  
Chichester  
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PO18 9JL  
United Kingdom.

#### **Office 2 (Research & Service)**

The Old Equine Barn, Church Farm,  
Stoughton, Chichester. PO18 9JL.

#### **Factory 1**

##### **(Ambient Manufacturing)**

The Old Grain Barn, Church Farm,  
Stoughton, Chichester, PO18 9JL.

#### **Factory 2**

##### **(Refrigeration Manufacturing)**

The Old Drier Barn, Church Farm,  
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#### **Factory 3 (Logistics)**

The Old Storage Barn, Church Farm,  
Stoughton, Chichester, PO18 9JL.

**Call us on: Tel +44(0)2392 631225  
or email**

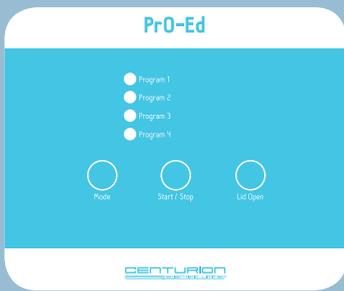
General: [info@centurionscientific.co.uk](mailto:info@centurionscientific.co.uk)

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**[www.centurionscientificglobal.com](http://www.centurionscientificglobal.com)**

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CE marked and ISO 9001 regulated and now IVD certified too

# PrO-Ed Centrifuges

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

No compromises on quality only the best components are used

in the manufacturing process.

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

## User features to PrO-Ed series Advantages

Bright blue LED display	Clarity & ease of use
Rotor recognition	Safe selection of rotors
10 accelerations rates & 10 deceleration rates	Sample assistance
10 program memory	Multi department & Users
Timer 0-99 minutes & Hold in 30 second increments	Total flexibility
Pulse short run	Fast pelleting
Run in speed (rpm) or rcf (G) in 10 Rpm increments	Accuracy

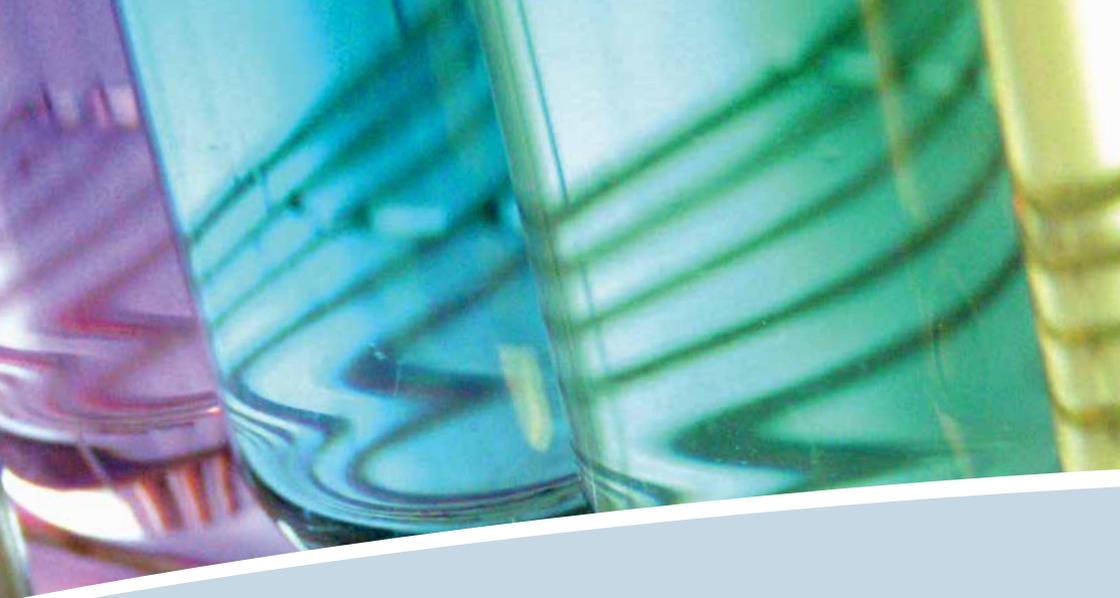
## Standard to PrO-Ed series Advantages

Extra thick stainless steel bowl	Easy clean & rust free
Port to lid	Tachometer speed certification
Alloy & steel frame (zinc coated)	Strong light & quiet
World leading industrial grade inverter	Reliability & strength
Best quality European brushless motor	Quiet, cool & reliable
High technology airflow (ambient mode) C	cooler running
All centrifuges have user accessible service sections to access all safety parameters	

## Safety features to PrO-Ed 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	Eradicates user loading errors
Overspeed sensor	Safe detection of speed
Set inverter values	Electronic safety of speed
Barrier ring	Extra metal protection of chamber
Motor overheat sensor	Safe motor protection

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



## Welcome To Our New PrO-Ed Range

Designed with learning in mind and derived from our long running LED & LCD display centrifuges spanning over 27 years of centrifuge manufacturing.

Simplicity of use is paramount, and places the emphasis on learning. To this end we offer both swing out rotors to show horizontal separation, and fixed angle rotors to show an angular separation. Choice of simple use or to a higher level.

If the PrO-Ed does not cover your needs, please look at our global website [www.centurionscientificglobal.com](http://www.centurionscientificglobal.com).

Centurion has the largest range in the world of benchtop centrifuges.

## Ease Of Use

Using our parameters, you choose your speed and press go. One of four LED lights will glow to show your selection. Once finished, a buzzer will sound and you simply press “lid open” to retrieve your samples. Locking of the lid during a run is standard to all of this range.

We take safety very seriously and ALL centrifuges have locked lid protection, you cannot open the lid until the run has stopped, in conformance with CE markings and health and safety rules.

See our User, Standard & Safety Features on the opposite page

All of our centrifuges carry a 3 year warranty, that is how confident we are of our quality and resilience.

## A70 Mini Centrifuge



Dims HWD (mm)	160x170x122mm
Weight (Kg)	0.5
Power (watts)	20
Speed max (Rpm)	7,000
Timer	Continuous

### Features

- Ideal for microfiltration and quick spin-downs
- Easy-to-use with dual start/stop function
- 7000rpm fixed speed
- Quiet running, noise level =45 dB
- Rotor change without tools
- Accelerates and brakes in seconds
- Multi-voltage

This centrifuge comes complete with

**Rotor type** 8 place fixed angle

Tube size max (ml) 0.5/1.5/2



**Rotor type** PCR tube / strip rotor

Tube size max (ml) 16 x 0.2 PCR tube / 2 x 0.2 PCR 8 tube strip



**PrO-ED B**  
(230V 50/60Hz)

**1.PrO-ED B**  
(110V 60Hz)



Dims HWD (mm)	235 x 235 x 350mm
Weight (Kg)	12.8 (without rotor)
Power (watts)	140

Programs	Speed (Rpm)	Time (secs)
One	500	600
Two	1,000	600
Three	2,000	300
Four	3,000	300

Display indicative only

**This centrifuge comes complete with  
BRK5407 Fixed Angle Rotor**



Included



Available

Rotor	BRK5407	BRK5508S
Rotor type (ml)	4 x 15 & 4 x 10 Fixed angle	8 x 5ml Swing Out
Tube size max (mm)	17 x 120 & 13 x 100	3 x 75
Minimum speed (Rpm)	500	500 Rpm
Maximum speed (Rpm)	3,000	3,000 Rpm
Maximum Rcf (G)	6,100	1,2100
Radius max (mm)	8.6	123
Sample tube angle (°)	30 & 35	n/a
Acceleration time (secs)	35	35
Deceleration time (secs)	35	35
Autoclavable (frequency)	121°C (10)	121°C (10)

**PrO-ED S**  
(230V 50/60Hz)

**1.PrO-ED S**  
(110V 60Hz)



Display indicative only

Dims (HWD mm)	235x235x350
Weight (Kg)	12.8 (without rotor)
Power (watts)	140

Programs	Speed	Time
One	1,000	600
Two	6,000	600
Three	12,000	300
Four	12,000	600

**This centrifuge comes complete with  
BRK5424 Fixed Angle Rotor**



Rotor	BRK5401	BRK5424
Rotor type (ml)	24 x capillary & 12 x 2	24x2ml
Tube size max (mm)	2x75 & 11x40	11x50
Minimum speed (Rpm)	500	500
Maximum speed (Rpm)	12,000	12,000
Maximum RCF (G)	13,500	13,500
Radius max (mm)	85	85
Sample tube angle (°)	0 & 60	45
Acceleration time (secs)	30	20
Deceleration time (secs)	30	20
Autoclavable (frequency)	121°C (10)	121°C (10)



**PrO-ED M**  
(230V 50/60Hz)

**1.PrO-ED M**  
(110V 60Hz)



Dims HWD (mm)	275 x 325 x 470
Weight (Kg)	12.8 (without rotor)
Power (watts)	160

Programs	Speed (Rpm)	Time (secs)
One	500	600
Two	1,000	600
Three	2,000	600
Four	3,000	600

Display indicative only

**This centrifuge comes complete with BRK5508M Swing Out Rotor**

Included



Available



Available



Available



Rotor	BRK5508M	BRK5505	BRK5412	BRK5406
Rotor type (ml)	8 x 10 tube	4x100 swing out	12 x 15	6 x 50
Tube size max (mm)	15 x 100	45x100	17 x 120	30 x 120
Minimum speed (Rpm)	500	500	500	500
Maximum speed (Rpm)	3,000	3,000	3,000	3,000
Maximum RCF (G)	1,210	810	915	915
Radius max (mm)	123	85	95	95
Sample tube angle (°)	n/a	n/a	30	30
Acceleration time (secs)	35	35	35	25
Deceleration time (secs)	35	35	35	25
Autoclaveable (frequency)	121°C (c)	121°C (10)	121°C (10)	121°C (10)

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



Display indicative only

# Adaptor Chart

## Adaptors for Swing out rotors

Tube type	Shape	Capacity	Size
 Micro with cap	point	0.5ml	8x20
Micro with cap	point	1.5ml	11x38
Micro with cap	point	2.0ml	11x38
Micro with cap	point	0.2ml	6x20
Micro with cap	point	0.4ml	6x30
 Plain No cap	round	1ml	6x45
Plain No cap	round	3ml	10x60
Plain No cap	round	5ml	12x75
Plain No cap	round	6ml	12x82
Plain No cap	round	7ml	12x100
Plain No cap	round	9/10ml	14x100
Plain No cap	round	15ml	17x100
Plain No cap	round	25ml	24x100
Plain No cap	round	50ml	34x100
Plain No cap	round	100ml	45x100
Plain No cap	round	150ml	52x100
Plain No cap	round	250ml	62x100
 Falcon with cap	point	15ml	17x120
Falcon with cap	point	50ml	29x115
Falcon with cap	point	175ml	61x118
Falcon with cap	point	15ml	17x120
 Corning with cap*	point	250ml	60x172
Corning with cap*	point	500ml	98x148
 Falcon with cap	square	12ml	17x100
Falcon with cap	square	25ml	25x90
Falcon with cap	square	30ml	25x110
Falcon with cap	square	50ml	29x115
Falcon with cap	square	15ml	17x120
 Nalgene/Oakridge	round	10ml	16x80
Nalgene/Oakridge	round	30ml	26x95
Nalgene/Oakridge	round	50ml	29x107
Nalgene/Oakridge	round	100ml	38x106
 Nalgene/Oakridge*	flat	250ml	62x130
Nalgene/Oakridge*	flat	750ml	98x153
 Monovette	square	1.1-1.4ml	8x82
Monovette	square	2.7-3ml	11x82
Monovette	square	2.6-2.9ml	13x81
Monovette	square	4.5-5ml	11x108
Monovette	square	7.5-8.2ml	13x106
Monovette	square	4.5-5ml	15x92
Monovette	square	7.5-8.2ml	15x108
Monovette	square	9-10ml	16x108
 Vacutainer	round	1.6-5ml	13x75
Vacutainer	round	4-7ml	13x10
Vacutainer	round	8.5-10ml	16x100

## Adaptors

### To fit rotor BRK5505 (Set 4)

Part nos	Nos of tubes per rotor
AM505	36
AM520	24
AM520	24
AM502	36
AM504	36
AR501	36
AR503	28
AR505*	28
AR505*	28
AR507*	28
AR509*	24
AR515*	8
AR525*	8
AR550*	4
AR5100*	4
N/A	
N/A	
AF515*	8
AF550*	4
N/A	
N/A	
See K242/R	
See K242/R	
AFS512	8
AFS525	4
AFS530	4
AFS550*	4
N/A	N/A
AN0510*	8
AN0530*	4
AN0550	4
AN0585	4
See K241/R	
See K243/R	
AM5014	24
AM503	24
AM529	24
AM503*	24
AM579*	24
AM550*	20
AM550*	20
AM590*	20
AV516*	24
AV550*	16
AV580*	12

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

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

**PrO-ED L**  
(230V 50/60Hz)

**1.PrO-ED L**  
(110V 60Hz)



Dims HWD (mm)	310 x 400 x 550
Weight (Kg)	32 (without rotor)
Power (watts)	310

Programs	Speed (Rpm)	Time (secs)
One	500	600
Two	1,000	600
Three	2,000	600
Four	3,000	600

Display indicative only

**This centrifuge comes complete with BRK5508M Swing Out Rotor**

Included



Available



Available



Available



Rotor	BRK5508L	BRK5510	BRK5431	BRK5434
Rotor type (ml)	8 x 10 tube	4 x 250	24 x 15	8 x 50
Tube size max (mm)	17 x 120	62 x 130	17 x 120	30 x 120
Minimum speed (Rpm)	500	500	500	500
Maximum speed (Rpm)	4,000	4,000	4,000	4,000
Maximum RCF (G)	2,600	2,600	2,200	2,200
Radius max (mm)	145	145	123	123
Sample tube angle (°)	n/a	n/a	30	30
Acceleration time (secs)	25	35	35	35
Deceleration time (secs)	25	35	35	35
Autoclaveable (frequency)	121°C (c)	121°C (10)	121°C (10)	121°C (10)

Rotor	BRK5431	BRK5434
Part number	RM05 (5ml)	RM15 (15ml)
Tube size max (mm)	13 x 80 17 x 120	16 x 100mm
Part number	RM10 (10ml)	RM25 (ml)
Tube size max (mm)	16 x 100	25 x 100



Display indicative only

# Adaptor Chart

## Adaptors for Swing out rotors

Tube type	Shape	Capacity	Size
 Micro with cap	point	0.5ml	8x20
Micro with cap	point	1.5ml	11x38
Micro with cap	point	2.0ml	11x38
Micro with cap	point	0.2ml	6x20
Micro with cap	point	0.4ml	6x30
 Plain No cap	round	1ml	6x45
Plain No cap	round	3ml	10x60
Plain No cap	round	5ml	12x75
Plain No cap	round	6ml	12x82
Plain No cap	round	7ml	12x100
Plain No cap	round	9/10ml	14x100
Plain No cap	round	15ml	17x100
Plain No cap	round	25ml	24x100
Plain No cap	round	50ml	34x100
Plain No cap	round	100ml	45x100
Plain No cap	round	150ml	52x100
Plain No cap	round	250ml	62x100
 Falcon with cap	point	15ml	17x120
Falcon with cap	point	50ml	29x115
Falcon with cap	point	175ml	61x118
Falcon with cap	point	15ml	17x120
 Corning with cap*	point	250ml	60x172
Corning with cap*	point	500ml	98x148
 Falcon with cap	square	12ml	17x100
Falcon with cap	square	25ml	25x90
Falcon with cap	square	30ml	25x110
Falcon with cap	square	50ml	29x115
Falcon with cap	square	15ml	17x120
 Nalgene/Oakridge	round	10ml	16x80
Nalgene/Oakridge	round	30ml	26x95
Nalgene/Oakridge	round	50ml	29x107
Nalgene/Oakridge	round	100ml	38x106
 Nalgene/Oakridge*	flat	250ml	62x130
Nalgene/Oakridge*	flat	750ml	98x153
 Monovette	square	1.1-1.4ml	8x82
Monovette	square	2.7-3ml	11x82
Monovette	square	2.6-2.9ml	13x81
Monovette	square	4.5-5ml	11x108
Monovette	square	7.5-8.2ml	13x106
Monovette	square	4.5-5ml	15x92
Monovette	square	7.5-8.2ml	15x108
Monovette	square	9-10ml	16x108
 Vacutainer	round	1.6-5ml	13x75
Vacutainer	round	4-7ml	13x10
Vacutainer	round	8.5-10ml	16x100

## Adaptors

### To fit rotor BRK5505 (Set 4)

Part nos	Nos of tubes per rotor
AM605	40
AM620	28
AM620	28
AM602	48
AM604	48
AR601	48
AR603	32
AR605*	32
AR605*	32
AR607*	32
AR609*	28
AR615*	28
AR625*	12
AR650*	4
AR6100*	4
AR601	4
BUCKET 4	4
AF615*	16
AF650*	4
AF6175*	4
N/A	4
See K242/R	
See K242/R	
AFS612*	16
AFS625*	8
AFS630	8
AFS650*	4
AFS614	4
AN0610*	16
AN0630*	4
AN0650	4
AN05685	4
Buckets 5250	4
See K243/R	
AM6014	40
AM603	40
AM629	40
AM603*	40
AM679*	40
AM650*	28
AM650*	28
AM690*	28
AV5616*	40
AV650*	40
AV680*	28

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

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



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