

# PrO-PRP Centrifuges

PRP Injuries and Cosmetic, rejuvenation





# Welcome To Our New PrO-PRP Range

**PRP is produced from a person's own blood. It is a concentration of one type of cell, known as platelets, which circulate through the blood and are critical for blood clotting. Platelets and the liquid plasma portion of the blood contain may factors that are essential for the cell recruitment, multiplication and specialization that are required for healing.**

After a blood sample is obtained from a patient the blood is put into a centrifuge, which is a tool that separates the blood into its many components. Platelet rich plasma can then be collected and treated before it is delivered to an injured area of bone or soft tissue, such as tendon or ligament. PRP is given to patients through an injection. It was used as early as the 1990s in maxillo-facial and plastic surgery. Several clinical studies have demonstrated that PRP injections have improved function and decreased pain to various maladies, including - but not limited to - elbow, wrist, shoulder, hip, knee, and ankle tendonosis. Early work is also showing promise for osteoarthritis.

The side effects of PRP injections are very limited as the patient is utilizing

their own blood, which they should have no reaction to. PRP has become widely publicized over the past half decade as numerous athletes undergo Platelet Rich Plasma injections. Some of the more publicized recipients of PRP therapy include Troy Polamalu and Hines Ward (Superbowl stars), Tiger Woods (a golfer who was recovering from ACL surgery), Kobe Bryant (a basketball player with cartilage damage in his knee), Alex Rodriguez (a baseball player recovering from hip surgery), and Rafael Nadal (a tennis player with knee tendinitis).

Other areas which PRP are commonly used are injections for male hair loss and within the equine world.



## PrO-PRP.com

Our PRP centrifuge range are currently used by leading specialists in all the above fields including facials/plastic surgery, sports injury specialist and leading hospitals. The unique function of the PRP system is the tube that is used. We have two machines in our range but we are not restrained by tube size or design and can easily manufacture an adaptor to fit any specific tube shape or size you require – we simply need a sample tube from you.

We understand the need for slow speed, accurate and well separated samples and we have perfected the PRP separation to a fine art, producing fabulous samples in all our clients varying tubes with no clouding or sample mixing.

We do supply a swing out rotor if required but have found our fixed angle rotors achieve a separation that is exemplary without the need for a swing out rotor.

Due to the ever changing size of tubes and shape of tubes we are very versatile on what machine, rotor or adaptor we recommend. Please contact us to discuss your requirements as we can offer another centrifuge from our vast range to suit your needs.

### **WHY make the Centurion PRP your number one choice:**

- Flexibility to fit any tube size and shape
- OEM option available for your own company logo
- Preset run options for ease of use
- Light for transportation
- Accurate and perfect separation

**Please send us your tube sample, If we can accommodate your tube type we will quote accordingly**  
**Thank you**

## PrO-PRP S Centrifuge 8 x 15ml max



Display indicative only

This is the smaller of our specialist PRP machines, this machine comes complete with a fixed angle rotor to accommodate tube sizes up to 15ml.

A specially designed smaller, lighter model ideal for moving from place to place. Ergonomic with a small footprint - this machine is ideally suited for those requiring smaller samples with the option to transport from clinic to clinic.

This machine comes complete with a rotor and the available rotors can be seen below.

**The unique function of the PRP system is the tube that is used. We have three machines in our range but we are not restrained by tube size or design and can easily manufacture.**

Speed (Rpm)	500-6000 (10 Rpm steps)
Rcf max (G)	3,500
Timer	0-99 Mins & hold (30 sec steps)
Dimensions HWD	235 x 235 x 350mm
Weight (Kg)	13 (without rotor)
Power (watts)	140
Memory	10 programs
Accel rates	10 programs
Decel rates	10 programs

Trolley available (please call us)

Available



Available



Rotor	BRK5408	BRK5508S
Rotor type (ml)	8 x 15	8 x 5 Swing out
Tube size max (mm)	17 x 120	13 x 75
Minimum speed (Rpm)	500	500
Maximum speed (Rpm)	6,000	4,000
Maximum RCF (G)	3,500	1,500
Radius max (mm)	85	85
Sample tube angle (°)	30	0
Acceleration time (secs)	30	20
Deceleration time (secs)	30	20
Autoclavable (frequency)	121°C (20)	121°C (20)

# Pro-PRP M Centrifuge 4 x 100ml max



Display indicative only

Based on our most reputable models the PRPS is our most versatile and popular centrifuge used for PRP applications worldwide from the cosmetic industry to leading hospitals and sports therapy units.

A specially designed smaller lighter model ideal for moving from place to place. Ergonomic with a small footprint – this machine really ticks all the boxes. This machine comes complete with a rotor and the available rotors can be seen below.

**The unique function of the PRP system is the tube that is used. We have three machines in our range but we are not restrained by tube size or design and can easily manufacture an adaptor to fit any specific tube shape or size you require – we simply need a sample tube from you.**

Speed (Rpm)	500-6000 (10 Rpm steps)
Rcf max (G)	3,800
Timer	0-99 Mins & hold (30 sec steps)
Dimensions HWD	275 x 325 x 470mm
Weight (Kg)	22 (without rotor)
Power (watts)	160
Memory	10 programs
Accel rates	10 programs
Decel rates	10 programs

Trolley available (please call us)

Available



Available



Rotor	BRK5406	BRK5505
Rotor type (ml)	6 x 50	4 x 100 Swing out
Tube size max (mm)	30 x 120	45 x 100
Minimum speed (Rpm)	500	500
Maximum speed (Rpm)	6,000	4,000
Maximum RCF (G)	3,800	2,200
Radius max (mm)	95	123
Sample tube angle (°)	30	0
Acceleration time (secs)	25	25
Deceleration time (secs)	25	25
Autoclavable (frequency)	121°C (20)	121°C (20)

## PrO-PRP L Centrifuge 8 x 15ml max



Display indicative only

Where larger sample tubes need to be accommodated, look no further than our PRPL. This machine can accommodate tubes of a far larger scale, size and design.

We understand that some PRP applications require far larger blood samples and that the tubes for this purpose can be large and sometimes have an uneven shape to them. The PRPL based on one of our larger machines and can take on pretty much any tube, shape or size.

**The unique function of the PRP system is the tube that is used. We have three machines in our range but we are not restrained by tube size or design and can easily manufacture an adaptor to fit any specific tube shape or size you require – we simply need a sample tube from you.**

Speed (Rpm)	500-6000 (10 Rpm steps)
Rcf max (G)	4,800
Timer	0-99 Mins & hold (30 Rpm steps)
Dimensions HWD	310 x 400 x 550mm
Weight (Kg)	32 (without rotor)
Power (watts)	223
Memory	10 programs
Accel rates	10 programs
Decel rates	10 programs

Available



Available



Rotor	BRK5100	BRK5510
Rotor type (ml)	6 x 100	4 x 250 Swing out
Tube size max (mm)	45 x 125	62 x 100
Minimum speed (Rpm)	500	500
Maximum speed (Rpm)	6,000	4,000
Maximum RCF (G)	4,800	2,600
Radius max (mm)	120	140
Sample tube angle (°)	30	0
Acceleration time (secs)	35	25
Deceleration time (secs)	35	25
Autoclavable (frequency)	121°C (20)	121°C (20)

## Accessories

Due to the ever changing size of the tubes and the needs of our customers we understand the need to be versatile with our choice of rotors, adptors and reducers.

We offer the flexibility to fit any tube size and shape and even preset the machine to run speed and times as your specification.

Please contact us with you requirements and we would be happy to discuss the best options



Bob says send us your tube and we can evaluate.



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

**or email**

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