

# PrO-Cytology

a division of

**CENTURION**  
SCIENTIFIC LIMITED

**Cytology Range**



**Our Pro-Cyt range are compact and practical centrifuges for small , medium and large sample volumes. Unlike others we offer you a choice of two Centrifuges and each can use one of three rotors, from 4, 8 and 12 places, thus meeting your needs exactly.**

They are both cost effective, yet still benefiting from the superb build quality and engineering of our research series.

Centurion centrifuges, with their applications-oriented accessories, are proven favourites in clinical, cytology , histology and small medical laboratories Our compact, ergonomic design: smaller dimensions, ergonomic height and curved features ensure a comfortable and efficient workspace. Our Centrifuges deliver optimum performance in compact units, designed for ease of use. Quiet (below 50Db, rotor dependant) with low heat operation noise levels have been reduced while maintaining sample integrity with good airflow .

Performance and safety are top of our agenda, tight operational control is maintained by the microprocessor. An imbalance sensor is incorporated into the control loop to bring to a controlled stop of the centrifuge in the case of a tube rupture or incorrect loading.

Centurion centrifuges have been an industry standard for quality and reliability for 27 years, our centrifuges can be relied upon to deliver safe, reproducible and trouble-free results for many years.

### **Warranty 2 years for all models**

Centurion brand centrifugation products are part of a dedicated range of products and services designed to provide you with quality equipment and support.

### **Choosing The Right Centrifuge**

A centrifuge is a critical piece of equipment. Therefore, when the time comes to add new centrifuges or replace old models, it is important to make an informed decision. Bringing together technological and design excellence, Centurion have paved the way for a new generation of centrifuges.

We reserve the right to make changes with ongoing research and development.

# PrO-Cyt Centrifuges

| Advantages   |                                       |
|--|---------------------------------------|
| LED display  | Clarity & ease of use                 |
| 10 accelerations rates & 10 deceleration rates       | Sample assistance                     |
| 99 Memory  | Multi department & Users              |
| Timer 0-99 minutes & Hold in 1/30 second increments  | Total flexibility                     |
| Pulse short run                                      | Fast pelleting                        |
| Run in speed (rpm) or rcf (G) in 1/10 rpm increments | Accuracy                              |
| Sound <55db (rotor dependent)                        | Quiet                                 |
| Orientation acceleration rate                        | Prevents initial sample side deposits |

| Advantages  |                                |
|---|--------------------------------|
| Acrylic 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)  | Cooler running                 |
| All centrifuges have user accessible service sections to access all safety parameters |                                |

| 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 for Quality and medical Devices IEC 61010 and CE conformity test marks Emission, immunity to EN/IEC 61326-1, Class B

**Page 4 PrO-Cyt LED Centrifuges**

**Page 5 Rotors available. 4 place, 8 place and 12 place**

**Page 6 Sample holders available, single, double or single large.**

**Page 7 Package supplied and other available items**

# Cytology Centrifuge



Display indicative only

## PART NUMBERS 230V 50/60Hz

PrO-Cyt.LED4. With 4 place rotor

PrO-Cyt.LED8. With 8 place rotor

PrO-Cyt.LED12. With 12 place rotor

## PART NUMBERS 110V 60Hz

1.PrO-Cyt.LED4. With 4 place rotor

1.PrO-CYT.LED8. With 8 place rotor

1.PrO-CYT.LED12. With 12 place rotor

## Ambient Centrifuge

|                    |                                 |
|--------------------|---------------------------------|
| <b>Speed</b>       | 4,000 Rpm max (10 Rpm steps)    |
| <b>Rcf Max</b>     | 10 - 1500 G                     |
| <b>Timer</b>       | 0-9 Hours & Hold (30 sec steps) |
| <b>Dims HWD</b>    | 330 x 350 x 470mm               |
| <b>Weight</b>      | 22.8 Kg (without rotor)         |
| <b>Power</b>       | 160 Watts                       |
| <b>Memory</b>      | 99 programs                     |
| <b>Accel rates</b> | 10 programs                     |
| <b>Decel rates</b> | 10 programs                     |

# Available Cytology Rotors

Using centrifugal force to separate and deposit a monolayer of cells onto slides whilst maintaining cellular integrity within a clearly defined area FROM ANY FLUID MATRIX.

Cyto centrifugation also constructively flattens cells for excellent nuclear presentation.

Applications include Cytology, Histology, Haematology, Oncology, Immunochemistry, Virology, Serology and Microbiology.

Offering samples from 0.1ml to 6ml and an extensive range of accessories we have your Cytology needs covered.

Cytology rotor includes Rotor, sealed lid, Clips, 24 x holders with filter card & 100 slides

| Rotor                    | 4420       |
|--------------------------|------------|
| Rotor type (ml)          | 4 x double |
| Tube size max (mm)       | STD slide  |
| Minimum speed (Rpm)      | 200        |
| Maximum speed (Rpm)      | 2,000      |
| Maximum RCF (G)          | 550        |
| Radius max (mm)          | 123        |
| Sample tube angle (°)    | vertical   |
| Acceleration time (secs) | 15-90      |
| Deceleration time (secs) | 15-90      |
| Autoclavable (frequency) | 121°C (20) |



| Rotor                    | 4430       |
|--------------------------|------------|
| Rotor type (ml)          | 8 x double |
| Tube size max (mm)       | STD slide  |
| Minimum speed (Rpm)      | 200        |
| Maximum speed (Rpm)      | 2,000      |
| Maximum RCF (G)          | 550        |
| Radius max (mm)          | 123        |
| Sample tube angle (°)    | Vertical   |
| Acceleration time (secs) | 15-90      |
| Deceleration time (secs) | 15-90      |
| Autoclavable (frequency) | 121°C (20) |

| Rotor                    | 4460        |
|--------------------------|-------------|
| Rotor type (ml)          | 12 x double |
| Tube size max (mm)       | STD slide   |
| Minimum speed (Rpm)      | 200         |
| Maximum speed (Rpm)      | 2,000       |
| Maximum RCF (G)          | 550         |
| Radius max (mm)          | 123         |
| Sample tube angle (°)    | Vertical    |
| Acceleration time (secs) | 15-90       |
| Deceleration time (secs) | 15-90       |
| Autoclavable (frequency) | 121°C (20)  |

## Accessories



4444

Single sample holder  
with card (1ml max)  
Pack of 24



4446

Double sample holder  
with card (1ml max each)  
Pack of 24



4600

Single sample holder  
with card (6ml max)  
Pack of 20



4462

Stainless steel clip each

## Accessories included

All PrO-Cyt centrifuges are complete with a starter pack this includes.

100 microscope slides and a pack of 24 double sample holders including fixed blotters.

Rotors are complete with lid , swing plate and stainless steel holders to match.



We trust that the details contained within these pages allows you to make a informative decision on our PrO-Cyt range.

**If however you need more information or assistance, please do not hesitate to call.**



**Wolflabs**

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**Use the above details to contact us if this literature doesn't answer all your questions.**

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

