

# 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	
Large LCD display with touch control or LED	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	
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)	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**

# LED 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

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

# Tablet Cytology Centrifuge

Control by LCD Colour display panel

User friendly Centrifuge control system App

The screenshot shows the 'Create Program' screen of the app. It features a dark background with teal accents. At the top, there's a back arrow and the title 'Create Program'. Below this, the 'TIMER TYPE' section has buttons for 'TIME', 'RCF', 'PULSE', and 'HOLD'. The 'SPEED TYPE' section has buttons for 'RPM' and 'RCF'. A 'SELECT A TIME' field shows '00:05:00'. Below that, an 'RPM' field shows '0' with a range of '200-15000'. At the bottom, there are 'ACCELERATION' and 'DECELERATION' fields, both showing '0-9'. A numeric keypad is visible at the bottom with digits 1-9, 0, a decimal point, and a checkmark button.

The screenshot shows the 'Create Program' screen of the app. It features a dark background with teal accents. At the top, there's a back arrow and the title 'Create Program'. Below this, the 'NAME' field shows 'Centurion 1'. The 'ROTOR' section shows a rotor icon and the text 'BRK5424' with a 'SELECT' button. Below this, the 'TIMER TYPE' section has buttons for 'TIME', 'RCF', 'PULSE', and 'HOLD'. The 'SPEED TYPE' section has buttons for 'RPM' and 'RCF'. A 'SELECT A TIME' field is present. At the bottom, there's a table with 'Cancel' and 'Confirm' columns. The table has four rows of time settings: 98 hours 3 min 58 sec, 99 hours 4 min 59 sec, 0 hours 5 min 0 sec, and 1 hours 6 min 1 sec. The 'Confirm' column shows the corresponding time in minutes and seconds.

Cancel	Confirm
98 hours 3 min 58 sec	3 min 58 sec
99 hours 4 min 59 sec	4 min 59 sec
0 hours 5 min 0 sec	5 min 0 sec
1 hours 6 min 1 sec	6 min 1 sec



All Centrifuges have an induction coil fitted to the display area and clearly marked. Simply place the supplied display on the support area and the display will charge automatically. No plug in charge is required. A module is supplied for charging of the unit at your desk

# Tablet Cytology Centrifuge

Control by LCD Colour display panel



Display indicative only

## PART NUMBERS 230V 50/60Hz

PrO-Cyt.TAB4. With 4 place rotor

PrO-Cyt.TAB8. With 8 place rotor

PrO-Cyt.TAB12. With 12 place rotor

## PART NUMBERS 110V 60Hz

1.PrO-Cyt.TAB4. With 4 place rotor

1.PrO-CYT.TAB8. With 8 place rotor

1.PrO-CYT.TAB12. With 12 place rotor

## Ambient Centrifuge

Speed	4000Rpm max (1 Rpm steps)
Rcf Max	10-1500G
Timer	0-99hours & Hold (1 sec steps)
Dims HWD	280 x 240 x 360mm
Weight	12.8 Kg (without rotor)
Power	125 Watts
Memory	99 programs
Accel rates	10 programs
Decel rates	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.**

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