

# Rondo Equipment – Brochure 2020



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➔ Wide range of glass vessels, multiwell plates, centrifuge tubes, etc. also in our portfolio.  
Please contact us for further information and separate price lists.

## Centrifuges

### Micro Centrifuges



CR-68X

Two models: CR-68 and CR-68X, both models include:

- Rotor for 8 x 1.5/2 ml centrifuge tubes
- Rotor for 2 x 8 x 0.2 ml PCR tube strips
- Adaptors for 0.2 ml or 0.4 ml centrifuge tubes
  - CR-68:
    - Fixed speed: 6,000 rpm (2,000 x g)
    - Start/stop by opening/closing lid
  - CR-68X:
    - Speed range: 2,000 – 6,000 rpm (2,000 x g)
    - Start/stop by opening/closing lid
    - Digital display; timer: 0 - 25 minutes; out-of-balance detection

Cat. No.	Description
CR-68	<b>Micro Centrifuge</b> , 6,000 rpm (2,000 x g); dimensions (w x d x h): 162 x 157 x 116 mm
CR-68X	<b>Micro Centrifuge</b> , 1,000 – 6,000 rpm (2,000 x g); dimensions (w x d x h): 162 x 157 x 116 mm

### Mini Centrifuge



- Programmable, low noise centrifuge (< 62 dB)
- Speed range: 500 – 15,000 rpm (15,596 x g)
- Timer: 1 - 999 minutes, or continuous operation
- Large LCD display for user-friendly control
- Short spin function
- USB port
- Including:
  - Rotor 12 x 1.5/2 ml centrifuge tubes
  - Adaptor for 0.2 ml or 0.4 ml micro centrifuge tubes (optional for 2 x 8 x 0.2 ml strip)

Cat. No.	Description
CR-1512	<b>Mini Centrifuge</b> , 500 – 15,000 rpm (15,596 x g); dimensions (w x d x h): 230 x 262 x 131 mm

### Clinical Centrifuge



- Compact and reliable low-speed centrifuge, ideal for centrifugation of blood and sera samples; low noise operation (< 60 dB)
- Speed range: 500 – 6,500 rpm (3,873 x g)
- Timer: 0.5 - 30 minutes
- Including:
  - Rotor for 8 x 15 ml tubes
  - Adaptors for 1.5/2 ml, 5 ml, 7 ml and 10 ml tubes
- Further models - also available with **CE IVD** mark

Cat. No.	Description
CRC-658	<b>Clinical Centrifuge</b> , 500 – 6,500 rpm; dimensions (w x d x h): 260 x 244 x 205 mm

**Clinical Centrifuge** designed for processing blood and other clinical samples, for medical practitioners and pathological laboratories in applications such as PRP, as well as for routine hospital centrifuging tests. In particular it can be used for processing and analyzing samples from human body in *in vitro* diagnostic applications according to Directive 98/79/EC.



- Max. Speed: 4,000 rpm / 2,270 g (swing-out rotor)
- Timer Settings: 1 - 999 minutes or infinite mode
- This clinical centrifuge is supplied with multiple tube adaptors for 2 ml, 3 ml, 4 ml, 6 ml and 9 ml tubes.
- With Lid Lock Safety and imbalance detection
- Weight: 7.7 kg (without rotor)

Cat. No.	Description
CRC-416X	<b>clinical centrifuge</b> , 4,000 rpm, dimensions (w x d x h): 355 x 415 x 173 mm
CRC-4-6S	Swing-out rotor of CRC-416X for 6 x 10 ml tubes

## Centrifuges

### Refrigerated Centrifuge



- Ideal for molecular or cellular applications such as ethanol precipitation, phenol extraction or cell collection, can also be used for sensitive samples
- Speed range: up to 17,000 rpm (27,237 x g)
- Temperature range: - 20 °C to + 40 °C
- Capacity: 30 x 1.5/2 ml micro centrifuge tubes, or 18 micro filter tubes, or 64 PCR tubes
- LCD display
- Up to 100 programmes can be saved
- Low noise operation (≤ 56 dB)
- Rotors for different centrifuge and PCR tubes (0.2 ml, 1.5/2 ml or 5 ml) available (have to be ordered separately, further information on request)

Cat. No.	Description
CR-1730R	<b>Refrigerated Centrifuge</b> , <u>without</u> rotor; 17,000 rpm; dimensions (w x d x h): 310 x 620 x 205 mm

### NEW! Universal Centrifuge



- Compact and space-saving centrifuge, developed and improved to meet the needs of users
- Intelligently designed airflow system prevents increase in sample temperature
- Brushless DC motor (BLDC)
- Speed range 500 – 4,500 rpm varies per rotor type
- Timer Setting from 1 - 999 minutes or infinite mode
- Large LED Display
- „Short spin“ feature for ultrashort centrifugation and pelleting
- USB port
- Up to 99 programmes
- Multiple rotor options (swing-out and fixed-angle rotors) are available, (see below)  
4 x 100 ml, 6 x 50 ml, 16 x 15 ml, 2 x microplates, 24 x 15 ml, 30 x 15 ml

Cat. No.	Description
CRC-432X	<b>Universal Centrifuge</b> , <u>without</u> rotor, 500 - 4.500 rpm, dimensions (w x d x h): 595 x 436 x 311 mm. Multiple rotor options - with both swing-out and fixed-angle rotors. Please see below for more information.

### Multiple rotor options



**CR-43-15F-24**  
24 x 15 ml fixed-angle rotor,  
RCF 2852 g



**CR-43-15F-16**  
16 x 15 ml fixed-angle rotor,  
RCF 3144 g



**CR-43-50F**  
6 x 50 ml fixed-angle rotor,  
RCF 2644 g



**CR-43-100F**  
4 x 100 ml fixed-angle rotor,  
RCF 2559 g



**CR-43-PL**  
2 x microplates swing-out rotor,  
RCF 2355 g



**CR-43-15**  
16 x 15 ml swing-out rotor  
with SS tubes, RCF 3485 g



**CR-43-100**  
4 x 100 ml swing-out rotor  
with Bio Safety Cap,  
RCF 3164 g



**CR-43-15F-30**  
30 x 15 ml fixed-angle rotor,  
RCF 2729 g

## Shakers

### 3D Shaker



- 3D motion for homogenous mixing
- Speed range: 10 - 120 rpm
- Maximum load: 5 kg
- Up to nine individual protocols can be saved, or run-pause-run pulse mode with programmable time intervals (30 - 99 seconds)
- Timer: 1 - 999 minutes, or continuous operation
- LED display
- Platform: 350 x 350 mm, with spiked rubber mat to secure tubes

Cat. No.	Description
CR3-08X	<b>3D Shaker</b> , including platform with spiked rubber mat; dimensions (w x d x h): 206 x 192 x 372 mm

### Plate Shaker



- Exchangeable clamps for compatibility with different multiwell plates
- Platform for shaking up to 20 x 1.5/2 ml micro centrifuge tubes included
- Speed range: 300 - 1,800 rpm, orbital motion: 1 mm
- Timer: 1 - 99 minutes, or continuous operation
- Can be used in cool rooms and in safety cabinets
- Permissible temperature range: 5 °C to 40 °C
- Digital display, four programmes, USB interface

Cat. No.	Description
CRP-18X	<b>Plate Shaker</b> , 300 - 1,800 rpm; dimensions (w x d x h): 127 x 85 x 86 mm

### 4-Positions Plate Shaker



- Ideal for thorough, simultaneous mixing in up to 4 microplates
- To be used with all standard skirted microplates
- Speed range: 200 - 1,200 rpm, orbital motion: 3mm
- Timer: 1 - 999 minutes, or continuous operation
- Pulse mode for continuous mixing in clockwise and counterclockwise directions from 30 - 90 seconds

Cat. No.	Description
CRP-412X	<b>4-Positions Plate Shaker</b> , 200 - 1,200 rpm; dimensions (w x d x h): 343 x 195 x 88 mm

### Shaker



- Shaker with orbital (diameter: 20 mm) and linear reciprocating motion, for effective shaking
- Speed range: 50 - 300 rpm; timer: 0 - 99 hours and 59 minutes
- Platform size: 330 x 330 mm; maximum load: 7.5 kg
- Optional "auto power on" function ensures continued operational run after a power failure
- Wide range of platforms for various flask sizes available (have to be ordered separately, further information on request)

Cat. No.	Description
CRP-3X	<b>Shaker</b> , <u>without</u> platform; 50 - 300 rpm; dimensions (w x d x h): 408 x 350 x 99 mm

## Vortex Mixer

### Mini Vortex Mixer



- Compact, stable and robust, with aluminum die cast base
- Chemically resistant PC ABS molded exterior
- Ideal for cold rooms and incubators
- Orbital motion
- Orbital Diameter: 4.5 mm
- Speed range: 0 - 4,500 rpm
- For tubes with a diameter up to 30 mm
- Can be used in a temperature range between 5 °C to 40 °C, and with a relative humidity up to 80 %
- Operating Mode: Touch
- Max. load capacity: 500 g
- Weight: 550 g

Cat. No.	Description
CRV-45X	Vortex Mixer, 0 - 4,500 rpm, dimensions (w x d x h): 100 x 100 x 67 mm

### NEW! Vortex Mixer



- Long-term use ensured through robust design and chemical resistance
- Inbuilt counter-balance prevents it from 'walking on the bench'
- Ultimate efficiency through microprocessor control
- An essential equipment for everyday mixing operations in any laboratory
- Speed range: 300 – 3,000 rpm
- Orbital Diameter: 4 mm
- Digital Display
- Max. load capacity: 1 kg
- Timer: 0 - 999 minutes and continuous
- Brushless DC motor
- Programmable pulse mode
- Weight: 4 kg
- Supplied with a conical tube attachment

Cat. No.	Description
CRV-30XC	Vortex-Mixer, 300 – 3,000 rpm, dimensions (w x d x h): 200 x 225 x 107 mm
CRV-30XC-RA	Round disc attachment with base for CRV-30XC Capp Rondo Vortex Mixer



## Selection of further general laboratory equipment in our portfolio



## Magnetic Stirrer

### Magnetic Stirrer with Hotplate



- Temperature range: ambient to 550 °C
- Speed range: 200 – 2,200 rpm (adjustable in steps of 10 rpm)
- Maximum load: 20 litres
- Brushless DC motor
- Hotplate surface made of robust nano-crystalline glass ceramic, 180 x 180 mm
- Up to 99 protocols can be saved
- Programmable run-pause-run pulse mode (30 - 99 seconds)
- Timer: 1 - 999 minutes, or continuous operation
- Large, user-friendly display
- Weight: 4.5 kg

Cat. No.	Description
CRS-22H	<b>Magnetic Stirrer with Hotplate</b> , up to 550 °C; 200 – 2,200 rpm; dimensions (w x d x h): 220 x 330 x 115 mm
CRS-22H-P	P1000 temperature probe for CAPP Rondo Hotplate Stirrer
CRS-22H-S	Stand for P1000 temperature probe CAPP Rondo Hotplate Stirrer

### **NEW!** Magnetic Stirrer with round Hotplate



- Temperature range: ambient to 320 °C
- Speed range: 200 – 2,200 rpm (adjustable in steps of 10 rpm)
- Maximum load: 20 litres
- Hotplate surface made of robust nano-crystalline glass ceramic, 180 x 180 mm
- Up to 99 protocols can be saved
- Programmable run-pause-run pulse mode (30 - 99 seconds)
- Timer: 1 - 999 minutes, or continuous operation
- Large, user-friendly display
- Weight: 1.4 kg

Cat. No.	Description
CRS-21H	<b>Magnetic Stirrer with round Hotplate</b> , up to 320 °C; 200 – 2,200 rpm; dimensions (w x d x h): 248 x 156 x 104 mm
CRS-21H-P	P1000 temperature probe for CRS-21H Magnetic Hotplate Stirrer
CRS-21H-S	Stand for P1000 temperature probe for CRS-21H Magnetic Hotplate Stirrer

### Magnetic Stirrer without Hotplate



- Touch control pad and digital display
- Speed range: 15 – 1,500 rpm
- For volumes up to 800 ml
- Timer: 1 - 99 minutes, or continuous operation
- Pulse mode with change of stirring direction every 30 seconds
- Flat and compact design
- Last run memory feature
- Including 25 mm stirrer shaft
- Weight: 600 g
- Maintenance free

Cat. No.	Description
CRS-15X	<b>Magnetic Stirrer without Hotplate</b> , 15 – 1,500 rpm; dimensions (w x d x h): 124 x 191 x 16.5 mm

## Incubators

### **NEW!** Mini Incubator with cooling



- Compact and multifunctional device with carrying handle for easy transport
- With a small footprint of only 33 x 36.8 cm fits on most workbenches
- Temperature range: 15 °C below ambient up to 60 °C ( $\pm 0.5$  °C bis 37 °C)
- A large LED display shows the temperature of the internal chamber in real time
- A bright light fixture allows easy viewing of all items in the internal chamber
- With a volume of 20 litres and a large internal chamber, the Mini Incubator has a generous loading capacity that fits 2 litres bottles.
- An internal power outlet can power small instruments such as small shakers, rockers, rollers, or other similar instruments.
- Weight: 6.5 kg

Cat. No.	Description
CR-MI1	<b>Digital Mini Incubator with heating and cooling (ambient -15 °C bis 60 °C),</b> Capacity 20 litres; dimensions (w x d x h): 337 x 370 x 475 mm

## Roller and Rotator

### Roller with Shaking Function



- Efficient mixing of blood samples, viscous substances and liquid-solid suspensions with combined rolling and shaking motion
- Speed range: 10 - 80 rpm
- Timer: 1 - 99 minutes, or continuous operation
- Pulse mode (run-pause-run): 30 - 99 seconds
- 9 user-defined programmes
- For up to 15 x 7 ml blood tubes
- Stackable design to optimize bench space
- Can be used in incubators up to 40 °C, with a humidity of up to 80 %
- Tilt angle:  $\pm 3$  °

Cat. No.	Description
CRR-08X	<b>Roller with Shaking Function, 10 - 80 rpm;</b> dimensions (w x d x h): 502 x 301 x 92.5 mm

### Rotator



- Compact, low noise rotator for effective mixing of up to 16 sample tubes
- Fixed speed: 30 rpm
- Angle of disc plate: 38 °
- Easy removal of disc plate for cleaning
- Maximum load: 1.5 kg

Cat. No.	Description
CRR-0316	<b>Rotator for 16 sample tubes,</b> dimensions (w x d x h): 278 x 252 x 183 mm

# Further Capp products in our portfolio



## Capp Liquid Handling

- Manual Single and Multichannel Pipettes
- Electronic Pipettes
- Pipette Stands
- Volume Controller Knobs
- Pipette Tips
- Pipetting Aid Capp Controller
- Origami Reservoirs
- CappWash™ Plate Washer
- Mechanical Repeater (Stepper)

Further information on the above Capp products in our separately available brochures „Capp Products for Liquid Handling“ and „Capp Products for Cryo Storage“, please contact us for these brochures.