

# CAPP<sup>®</sup>

## CATALOGUE

### 2020/21



*Masters of precision*

## *Symphony of Precise Measurements*

The intricacy of the science world is reminiscent of a music performance. As in music, a masterpiece performance calls for accuracy in each note played - in science, the precision of measurements used in research can lead either to a great discovery or a fruitless quest.

**CAPP** recognised this at the earliest stages in its development and committed itself to only one task - designing pipettes that will be the most precise instruments in the industry, without compromise.

By introducing adjustable volume pipettes that can also be used with removable fixed volume knobs, we created a pinnacle of accuracy that is widely used in many reference laboratories worldwide. There is no longer a reason to use multiple fixed volume pipettes as a frame of reference. Now you can have one **CAPP** pipette with separate specific fixed volume controllers for use in most critical applications.

The construction of each **CAPP** pipette has a shared story; a tale of artistry of the hands which gave it shape, of careful material selection, of dedicated care and patience. Each pipette is individually produced and tested by a highly skilled master. It is the passion of these masters of precision at **CAPP** who give each product that very special characteristic: a soul.









As we are looking into the future we are focusing on delivering a full line of liquid measurement instruments of the same robust design and highest standard of precision that made **CAPP** pipettes the instrument of choice in many critical laboratories worldwide.

We invite you to experience the symphony of precise measurements as powerful as Beethoven's Ninth Symphony and as enjoyable as Mozart's Minuets.

We challenge you to bring confidence to your measurements. Become a conductor in **CAPP's** Orchestra of Virtuosos. Experience and express sound results in every drop.













# Index

ecopipette		4
CAPPSolo Single Channel		6
CAPPBravo		8
CAPPAero 96		10
CAPPSolo Multichannel		12
CAPPAero 384		14
CAPPTrio		16
Microbiology		17










Accessories		18
CAPPMaestro		20
CAPPTronic		21
CAPPTempo		22
CAPPController		23
CAPPRhythm		24
CAPPR10		25
CAPPForte		26










PIPETTING

Pipette Tips		27
Reagent Reservoirs		38
Consumables 384 pipetting		40
Retips		41
Serological Pipettes		42

Centrifuge Tubes		43
Cryoboxes		44
Cryotubes		46
Microcentrifuge Tubes		47
PCR Tubes & Plates		48

CONSUMABLES

CAPPRondo Benchtop Equipment		52
CAPPRondo Mini Incubator		53
CAPPRondo Mini Vortex Mixer		54
CAPPRondo Vortex Mixer		55
CAPPRondo Microcentrifuge		56
CAPPRondo Mini Centrifuge		57
CAPPRondo Universal Centrifuge		58
CAPPRondo Refrigerated Centrifuge		60
CAPPRondo Clinical Centrifuge		62
CAPPRondo Tube Roller		64

CAPPRondo Tube Rotator		65
CAPPRondo Single Plate Shaker		66
CAPPRondo 4-place Plate Shaker		67
CAPPRondo 3D Shaker		68
CAPPRondo Platform Shaker		69
CAPPRondo Magnetic Hotplate Stirrer		70
CAPPRondo Hotplate Stirrer		71
CAPPRondo Magnetic Stirrer		72
CAPPWash		73

BENCHTOP



# ecopipette

SINGLE CHANNEL PIPETTES

## ecopipette Innovation

The **ecopipette** is packed using recyclable, biodegradable materials and constructed from some of the most renewable durable resources available, to ensure an extended lifetime.

**CAPP ecotrade™ program:** Return any brand of old pipettes in exchange for discounted new ecopipettes™.

At **CAPP**, we will ensure an environmentally safe waste disposal of all old pipettes. Ask your favourite authorised **CAPP** distributor for more information about our ecotrade™ program.

### **CAPP ecopipette™ Unique Advantages:**

- Lockable volume controller requires 50% fewer turns
  - Display is fully visible during hand-held operations
- Reduced force requirement for aspiration and blow-out
- The only pipette with fixed and variable exchangeable counter-mechanism
  - Large pad for easy tip ejection
- Fully autoclavable pipette body (no disassembly required)
  - Double O-rings for optimal tip seal
- Compatible with all major pipette tip brands
  - Robust design includes metal tip base
- Lowest incidence of breakage resulting from accidental dropping or tip mounting



# Ordering Information



## ecopipette Starter Packs

Cat. No.	Description
SK-03-E01	CAPP ecopipette Starter Kit including C10-1 / C100-1 / C1000-1 pipettes, C-05 stand, 3 racks of tips and 1 timer
SK-03-E02	CAPP ecopipette Starter Kit including C20-1 / C200-1 / C1000-1 pipettes, C-05 stand, 3 racks of tips and 1 timer
SKE-03-XX	3 pipettes free of choice, stand, 3 racks of tips and 1 timer

## ecopipette Variable Volume Pipettes

Cat. No	Description	Inaccuracy %	Imprecision %	Colour
C02-1S	CAPP pipette, variable vol. 0.2-2 $\mu$ L, ecopipette	12.00 / 2.00	6.00 / 1.00	●
C02-1	CAPP pipette, variable vol. 0.2-2 $\mu$ L, ecopipette (length as C10-1)	12.00 / 2.00	6.00 / 1.00	●
C10-1	CAPP pipette, variable vol. 0.5-10 $\mu$ L, ecopipette	2.50 / 1.00	1.80/ 0.50	○
C20-1	CAPP pipette, variable vol. 2-20 $\mu$ L, ecopipette	5.00 / 1.00	1.50 / 0.30	●
C50-1	CAPP pipette, variable vol. 5-50 $\mu$ L, ecopipette	2.00 / 1.00	1.20 / 0.30	●
C100-1	CAPP pipette, variable vol. 10-100 $\mu$ L, ecopipette	2.50 / 0.70	1.00 / 0.20	●
C200-1	CAPP pipette, variable vol. 20-200 $\mu$ L, ecopipette	2.50 / 0.60	0.70 / 0.20	●
C1000-1	CAPP pipette, variable vol. 100-1000 $\mu$ L, ecopipette	2.00 / 0.80	0.60 / 0.20	●
C1000-1M	CAPP pipette, variable vol. 100-1000 $\mu$ L with 2 $\mu$ L increment, ecopipette	2.00/ 0.80	0.60 / 0.20	●
C5000-1	CAPP pipette, variable vol. 1-5mL, ecopipette	1.20 / 0.60	0.30 / 0.15	●
C5000-1M	CAPP pipette, variable vol. 0.5-5mL with 10 $\mu$ L increment, ecopipette	1.20 / 0.60	0.30 / 0.15	●
C10000-1	CAPP pipette, variable vol. 1-10mL. ecopipette	3.00 / 0.60	0.60 / 0.15	●

## ecopipette Fixed Volume Pipettes

Cat. No.	Description	Inaccuracy %	Imprecision %
C02-1S-001	CAPP pipette, fixed vol. 1 $\mu$ L , ecopipette	2.50	1.80
C10-1-005	CAPP pipette, fixed vol. 5 $\mu$ L, ecopipette	1.20	0.80
C10-1-010	CAPP pipette, fixed vol. 10 $\mu$ L, ecopipette	1.00	0.50
C50-1-020	CAPP pipette, fixed vol. 20 $\mu$ L, ecopipette	1.00	0.30
C50-1-025	CAPP pipette, fixed vol. 25 $\mu$ L, ecopipette	0.80	0.35
C100-1-030	CAPP pipette, fixed vol. 30 $\mu$ L, ecopipette	1.16	0.40
C100-1-050	CAPP pipette, fixed vol. 50 $\mu$ L, ecopipette	1.00	0.30
C200-1-100	CAPP pipette, fixed vol. 100 $\mu$ L , ecopipette	0.70	0.20
C200-1-200	CAPP pipette, fixed vol. 200 $\mu$ L, ecopipette	0.60	0.20
C1000-1-500	CAPP pipette, fixed vol. 500 $\mu$ L, ecopipette	0.80	0.15
C1000-1-1000	CAPP pipette, fixed vol. 1000 $\mu$ L, ecopipette	0.80	0.20
C5000-1A-5000	CAPP pipette, fixed vol. 5000 $\mu$ L, comfort	0.60	0.15
CXXX-1-YYY	Other fixed volume pipettes (xxx=max pipette vol; yyy=desired vol.)		

# CAPP Solo

## SINGLE CHANNEL PIPETTES

**CAPP Solo Single Channel Pipettes** are cost effective and robust liquid-handling tools designed for academic, diagnostic and start-up laboratories with limited budgets.

These pipettes meet industry standards of accuracy and precision, ensuring no compromises in all liquid handling protocols. The single channel pipettes are universally compatible with **CAPP EXPellPlus** pipette tips and most common tip brands on the market.



### Features:

- Exchangeable colour inserts for easy visual identification of pipettes by user or volume capacities
- Fine-tuned to ensure high levels of pipetting accuracy, precision and long-term calibration retention
  - Exceptionally light pipette chassis reduces the risk of repetitive strain injuries
- Counter-mechanism prevents accidental turning while pipetting
- Crafted to withstand the toughest laboratory conditions including chemical exposure, drops and autoclaving
  - Tip cone designed for universal tip compatibility
  - Backed by a two-year warranty





## Ordering Information

### CAPP Solo Fixed Volume

Cat. No.	Description
S5-1F	CAPPSolo pipette, fixed vol. 5 $\mu$ L
S10-1F	CAPPSolo pipette, fixed vol. 10 $\mu$ L
S20-1F	CAPPSolo pipette, fixed vol. 20 $\mu$ L
S25-1F	CAPPSolo pipette, fixed vol. 25 $\mu$ L
S50-1F	CAPPSolo pipette, fixed vol. 50 $\mu$ L
S100-1F	CAPPSolo pipette, fixed vol. 100 $\mu$ L
S200-1F	CAPPSolo pipette, fixed vol. 200 $\mu$ L
S250-1F	CAPPSolo pipette, fixed vol. 250 $\mu$ L
S500-1F	CAPPSolo pipette, fixed vol. 500 $\mu$ L
S1000-1F	CAPPSolo pipette, fixed vol. 1000 $\mu$ L
S2000-1F	CAPPSolo pipette, fixed vol. 2mL
S2500-1F	CAPPSolo pipette, fixed vol. 2,5mL
S5000-1F	CAPPSolo pipette, fixed vol. 5mL
S10000-1F	CAPPSolo pipette, fixed vol. 10mL

### CAPP Solo Variable Volume

Cat. No.	Description
S2-1	CAPPSolo pipette, variable vol. 0.1 – 2.5 $\mu$ L
S10-1	CAPPSolo pipette, variable vol. 0.5 – 10 $\mu$ L
S20-1	CAPPSolo pipette, variable vol. 2 – 20 $\mu$ L, but XL tip fit
S50-1	CAPPSolo pipette, variable vol. 5 – 50 $\mu$ L
S100-1	CAPPSolo pipette, variable vol. 10 – 100 $\mu$ L
S200-1	CAPPSolo pipette, variable vol. 20 – 200 $\mu$ L
S1000-1	CAPPSolo pipette, variable vol. 100 – 1000 $\mu$ L
S5000-1	CAPPSolo pipette, variable vol. 0.5 – 5mL
S10000-1	CAPPSolo pipette variable vol. 1 – 10mL

### CAPP Solo StarterKit

Cat. No.	Description
SK-03-S01	3 pipettes S10-1 /S100-1 /S1000-1, C-05 stand, 3 racks of tips and 1 timer
SK-03-S02	3 pipettes S20-1 /S200-1 /S1000-1, C-05 stand, 3 racks of tips and 1 timer

# CAPP *Bravo*

## SINGLE CHANNEL PIPETTES

Manual pipetting has never been easier! **CAPP** has combined a lightweight ergonomic design with the latest innovations in manual liquid handling to create **CAPP *Bravo***, the most user-friendly manual pipette on the market today.

**CAPP *Bravo* Single Channel Pipette** is constructed of the highest quality autoclavable materials and features feather-light plunger and ejection forces. There is a built-in oversized indicator for easy volume monitoring and precise adjustment.

With the **CAPP *Bravo* Single Channel Pipette** all of these features are packaged in a modern, streamlined, world-renowned Danish design. Experience **CAPP**'s symphony of precise measurements and see for yourself why it is called Bravo!

### **Safety:**

- Fully Autoclavable
- Positive indicator lock

### **Ergonomics:**

- Ergonomically constructed hook for comfortable handling
- Smooth tip mounting and ejection

### **Controls:**

- Oversized indicator
- Reduced force feather touch plunger and ejector

### **Unique Features:**

- Metal shaft with double O-rings for ultra micro sizes
- Ultra lightweight construction





# Ordering Information

## CAPP *Bravo* Fixed Volume (customised volumes available on request)

Cat. No.	Description	Inaccuracy %	Imprecision %
B01-1F	CAPP pipette, fixed vol. 1µL, Bravo	2.50	1.80
B02-1F	CAPP pipette, fixed vol. 2µL, Bravo	2.00	1.00
B05-1F	CAPP pipette, fixed vol. 5µL, Bravo	1.20	0.80
B10-1F	CAPP pipette, fixed vol. 10µL, Bravo	1.00	0.50
B20-1F	CAPP pipette, fixed vol. 20µL, Bravo	1.00	0.30
B50-1F	CAPP pipette, fixed vol. 50µL, Bravo	1.00	0.30
B100-1F	CAPP pipette, fixed vol. 100µL, Bravo	0.70	0.20
B200-1F	CAPP pipette, fixed vol. 200µL, Bravo	0.60	0.20
B500-1F	CAPP pipette, fixed vol. 500µL, Bravo	0.80	0.15
B1000-1F	CAPP pipette, fixed vol. 1000µL, Bravo	0.80	0.20
B5000-1F	CAPP pipette, fixed vol. 5mL, Bravo	0.60	0.15
B10000-1F	CAPP pipette, fixed vol. 10mL, Bravo	0.60	0.15

## CAPP *Bravo* Variable Volume

Cat. No.	Description	Inaccuracy %	Imprecision %	Colour
B02-1	CAPP pipette, variable vol. 0.1-2µL, Bravo	12.00 / 2.00	6.00 / 1.00	●
B10-1	CAPP pipette, variable vol. 0.5-10µL, Bravo	2.50 / 1.00	1.80 / 0.50	○
B20-1	CAPP pipette, variable vol. 2-20µL, Bravo	5.00 / 1.00	1.50 / 0.30	●
B50-1	CAPP pipette, variable vol. 5-50µL, Bravo	2.00 / 1.00	1.20 / 0.30	●
B100-1	CAPP pipette, variable vol. 10-100µL, Bravo	2.50 / 0.70	1.00 / 0.20	●
B200-1	CAPP pipette, variable vol. 20-200µL, Bravo	2.50 / 0.60	0.70 / 0.20	●
B1000-1	CAPP pipette, variable vol. 100-1000µL, Bravo	2.00 / 0.80	0.60 / 0.20	●
B5000-1	CAPP pipette, variable vol. 1-5mL, Bravo	1.20 / 0.60	0.30 / 0.15	●
B10000-1	CAPP pipette, variable vol. 1-10mL, Bravo	3.00 / 0.60	0.60 / 0.15	●

## CAPP *Bravo* Starter Packs

Cat. No.	Description
SK-03-B01	CAPPBravo Starter Kit including B10-1 / B100-1 / B1000-1 pipettes, C-05 stand, 3 racks of tips and 1 timer
SK-03-B02	CAPPBravo Starter Kit including B10-1 / B100-1 / B1000-1 pipettes, C-05 stand, 3 racks of tips and 1 timer
SK-03-BB	Three pipettes free of choice, C-05 stand, 3 racks of tips and 1 timer

## Pipette Stands

Cat. No.	Description
C-05	Pipette stand for up to 5 pipettes



# CAPP Aero 96

MULTICHANNEL PIPETTES

## **Easy and light tip mounting and ejection**

Excessive use of the thumb is a major cause of repetitive strain injuries and user discomfort in multichannel pipetting.

The unique design of the **CAPP Aero 96 Multichannel Pipette** considerably reduces the thumb workload. Ejection is simply a matter of applying light pressure to the levered ejector arm.

Thanks to the double O-rings on the aluminium and metal nose cones, the **CAPP Aero 96 Multichannel Pipette** eliminates the need to 'hammer' your pipette into the tip rack to secure the optimal tip mounting. You now need only to apply a slight even pressure to perfectly secure tips to the nose cones.

**CAPP Aero 96 Multichannel Pipettes** are one of the lightest pipettes on the market and produce a consistent and reliable liquid transfer result in one ergonomic solution.

## **Single channel accuracy and precision in a multichannel package**

The **CAPP Aero 96 Multichannel Pipette** guarantees single channel accuracy and precision across all channels due to the special design and construction of the **CAPP** piston assembly.

The incredibly robust and fully autoclavable pipette body offers easy maintenance, while the unique **CAPP** design with individually replaceable tip bases reduces the cost of what were once inevitable repairs.

The **CAPP Aero 96 Multichannel Pipette's** use of anodised aluminium and metal nose cones instead of plastic ones substantially reduces breakage due to accidental dropping and tips mounting.

The majority of internal construction parts are made of lightweight metal components and, along with stainless steel pistons, ensure a highly robust performance for ultimate stability over time in terms of accuracy and precision. This smart and highly ergonomic pipette is built to last.



# Ordering Information

## CAPP Aero 96 Multichannel Pipettes

Cat. No.	Description	Inaccuracy %	Imprecision %	Colour
C10-8	CAPPAero 96 multi pipettes, 8-channel, 0.5-10µL	5.00 /2.00	3.60 /1.00	○
C20-8	CAPPAero 96 multi pipettes, 8-channel, 2-20µL	5.00 /2.00	3.60 /1.00	●
C50-8	CAPPAero 96 multi pipettes, 8-channel, 5-50µL	3.20 /1.40	1.60 /0.60	●
C100-8	CAPPAero 96 multi pipettes, 8-channel, 10-100µL	2.50 /1.30	1.20 /0.50	●
C200-8	CAPPAero 96 multi pipettes, 8-channel, 20-200µL	1.80 /1.20	0.80 /0.40	●
C300-8	CAPPAero 96 multi pipettes, 8-channel, 30-300µL	1.66 /1.40	0.60 /0.30	●
C10-12	CAPPAero 96 multi pipettes, 12-channel, 0.5-10µL	5.00 /2.00	3.60 /1.00	○
C20-12	CAPPAero 96 multi pipettes, 12-channel, 2-20µL	5.00 /2.00	3.60 /1.00	●
C50-12	CAPPAero 96 multi pipettes, 12-channel, 5-50µL	3.20 /1.40	1.60 /0.60	●
C100-12	CAPPAero 96 multi pipettes, 12-channel, 10-100µL	2.50 /1.30	1.20 /0.50	●
C200-12	CAPPAero 96 multi pipettes, 12-channel, 20-200µL	1.80 /1.20	0.80 /0.40	●
C300-12	CAPPAero 96 multi pipettes, 12-channel, 30-300µL	1.66 /1.40	0.60 /0.30	●



The new **CAPP Sharp Reagent Reservoir**. For more information please go to page 39.



# CAPP Solo

MULTICHANNEL PIPETTES

**CAPP Solo Multichannel Pipettes** offer industry-standard pipetting accuracy and precision in a very affordable package. Manufactured with budget-constrained customers in mind, these pipettes offer quick, reproducible pipetting without compromising on quality.

**CAPP Solo Multichannel Pipettes** are supplied in 8-channel and 12-channel variants that are guaranteed to last long in academic, diagnostic and other comparable laboratories that require workhorses that can withstand extended usage cycles.

#### Features:

- Exchangeable colour inserts for easy visual identification of pipettes by user or volume capacities
- Remarkably lightweight pipette chassis for its class for more comfortable pipette handling
- Counter-mechanism prevents accidental turning while pipetting
- Accurate liquid dispensing across all channels for repeatable results
- Durable build quality ensures chemical resistance, bump protection and thermal stability
- Long-term calibration retention, even after sterilising in an autoclave
- Each tip cone is universally compatible with tips from the most common brands
- Supplied with a standard two-year warranty





## Ordering Information

### CAPP Solo Multichannel Pipettes

Cat. No.	Description	Inaccuracy %	Imprecision %
S10-8	CAPPSolo 8-channel pipette, 0.5 – 10 $\mu$ L	5.00 /2.00	3.60 /1.00
S100-8	CAPPSolo 8-channel pipette, 10 – 100 $\mu$ L	2.50 /1.30	1.20 /0.50
S300-8	CAPPSolo 8-channel pipette, 30 – 300 $\mu$ L	1.66 /1.40	0.60 /0.30
S10-12	CAPPSolo 12-channel pipette, 0.5 – 10 $\mu$ L	5.00 /2.00	3.60 /1.00
S100-12	CAPPSolo 12-channel pipette, 10 – 100 $\mu$ L	2.50 /1.30	1.20 /0.50
S300-12	CAPPSolo 12-channel pipette, 30 – 100 $\mu$ L	1.66 /1.40	0.60 /0.30

# CAPP Aero384

## MULTICHANNEL PIPETTES

Over the last two decades of manufacturing robust and innovative multichannel pipettes, CAPP has actively grown its pipetting portfolio. The introduction of 16, 48 and 64 channel pipettes in the CAPP Aero384 product line revolutionised this market segment by radically increasing the speed of liquid transfer, without breaking the bank.

The latest additions to the CAPP Aero384 product family include 24- and 32-channel pipettes. With the two 24-channel variants, scientists have finer control of liquid transfer, one row at a time. The 32-channel CAPP Aero384 Multichannel Pipette, on the other hand, allows filling of two rows at a time for better efficiency. For increased repetition, the new CAPP Aero384 multichannel pipettes are fine-tuned for exceptional accuracy across all channels.

Each pipette in the CAPP Aero384 product family is crafted from the finest materials, with precision engineering for accurate and dependable liquid transfer results.

Featuring robust metallic shafts and piston assemblies, CAPP Aero384 Multichannel Pipettes can be safely autoclaved over multiple times without the need for disassembly or constant recalibration.



CAPP Aero384 Multichannel Pipettes are designed for scientists who require superior quality, reliability, repeatability, affordability, speed and accuracy all in one package.

With a broad spectrum of applications, including PCR, qPCR, microarray and MALDI spectrometry protocols among others, CAPP Aero384 Multichannel Pipettes will find a home in any lab that uses 384 microwell plates!

Contact us today for your free CAPP Aero384 Multichannel Pipette sample.



### Highlights:

- High quality metal shaft and piston assembly designed for greater tolerance to everyday laboratory conditions
- Ergonomic tip ejection lever with minimum thumb workload when offloading tips
- Stringent factory calibration protocol for each channel results in repeatable and dependable volume accuracy across all channels
- Comfortable in-hand feel narrows the possibility of repetitive strain injury



## Ordering Information

Cat. No.	Description	Inaccuracy %	Imprecision %	Colour
C02-16	CAPP multi pipettes, 16-channel, 0.2-2µL	4.00	2.00	●
C10-16	CAPP multi pipettes, 16-channel, 0.5-10µL	2.00	1.00	○
C50-16	CAPP multi pipettes, 16-channel, 5-50µL	1.40	0.60	●
C10-24	CAPP multi pipettes, 24-channel, 0.5-10µl	2.00	1.00	○
C50-24	CAPP multi pipettes, 24-channel, 5-50µl	1.40	0.60	●
C10-32	CAPP multi pipettes, 32-channel, 0.5-10µl	4.00	2.00	○
C10-48	CAPP multi pipettes, 48-channel, 0.5-10µL	4.00	2.00	○
C10-64	CAPP multi pipettes, 64-channel, 0.5-10µL	4.00	2.00	○

# CAPP *Trio*

## TRI-VOLUME PIPETTES

As the only pipette manufacturer that offers pipettes with detachable volume controllers, **CAPP** proudly introduces **CAPP *Trio***, a ready-to-go pipette set which includes three fixed volume knobs.

### Highlights:

- Quick volume switch: 3 fixed pipettes in 1!
  - Ideal for routine work
- Customisable volume selection
  - Fully autoclavable



## Ordering Information

Cat. No.	Description	Inaccuracy %	Imprecision %	Colour
C10-T1	CAPP Tri-volume pipettes, 1µL, 5µL, 10µL	2.50 /1.00	1.80 /0.50	○
C100-T2	CAPP Tri-volume pipettes, 20µL, 50µL, 100µL	2.00 /0.70	0.80 /0.20	●
C1000-T3	CAPP Tri-volume pipettes, 200µL, 500µL, 1000µL	1.50 /0.80	0.40 /0.15	●
CXXX-T	CAPP Tri-volume pipettes, Custom Set			





# CAPP *Microbiology*

## SINGLE CHANNEL PIPETTES

**CAPP *Microbiology* Single Channel Pipettes** are ideal for microbiology tests in the food industry.

This pipette is supplied with three fixed volume knobs of 100 $\mu$ L, 900 $\mu$ L and 1000 $\mu$ L and has a modified tip cone suited for use with a sterile extended length straw. This allows further reach and pipetting of viscous liquids such as milk, cream, yoghurt and cosmetics.

**CAPP *Microbiology* Single Channel Pipettes** are ideal instruments for protocols involving a dilution of 1:10.

### Highlights:

- Extended reach
- Rotation-free volume selection
- Pre-set calibrated volume controllers
- Customisable volume selection
- Fully autoclavable



## Ordering Information

**CAPP *Microbiology* Pipettes** (for use with sterile straws)

Cat. No.	Description	Inaccuracy %	Imprecision %
C1000-1BS	CAPP Microbiology pipette, with 100 $\mu$ L, 900 $\mu$ L and 1000 $\mu$ L volume knobs	2.50/0.80	2.50/0.50
4170807	Pre-sterile straws for CAPP Microbiology pipette, 40x25 pcs.		

Interchangeable  
knobs

# CAPP

## Accessories

### MECHANICAL PIPETTES

**CAPP** offers a comprehensive selection of practical accessories to complement its full line of mechanical pipettes. Uniquely drawn up and quality-made, they combine design, style and simplicity to deliver optimal storage and safety solutions for modern laboratories.

Pre-calibrated interchangeable, adjustable and fixed volume knobs set **CAPP** pipettes aside from any other liquid-handling pipette on the market by allowing users to use one pipette with many fixed volume knobs.

This substantially reduces the cost. For example, instead of four fixed volume pipettes, you can buy one **CAPP** pipette and four inexpensive knobs to achieve the same precise results.

- **Stackable CAPP Combi Stands** can be connected to one another to create infinite support from one pipette to as many as you might need. C-01 comes with 2 modules to support up to 3 mechanical pipettes
- **CAPPTimer T-01** is a simple, reliable tool with an audible alarm feature
- **Shaft Filters** provide an economical solution to eliminate “splash effects” and will substantially reduce risk of sample and shaft contamination



## Ordering Information

### Pipette Filters

Cat. No.	Description
C1000-1-FT	Disposable filter for use with CAPP ecopipette 100-1000µL, bag w/ 50 pcs.
C5000-1-FT	Disposable filter for use with CAPP ecopipette 1-5mL, bag w/ 25 pcs.
B510ML-1-FT	Disposable filter for use with CAPPBravo pipettes, 1-5mL & 1-10mL, bag w/ 25 pcs.

# Ordering Information

## Pipette Stands

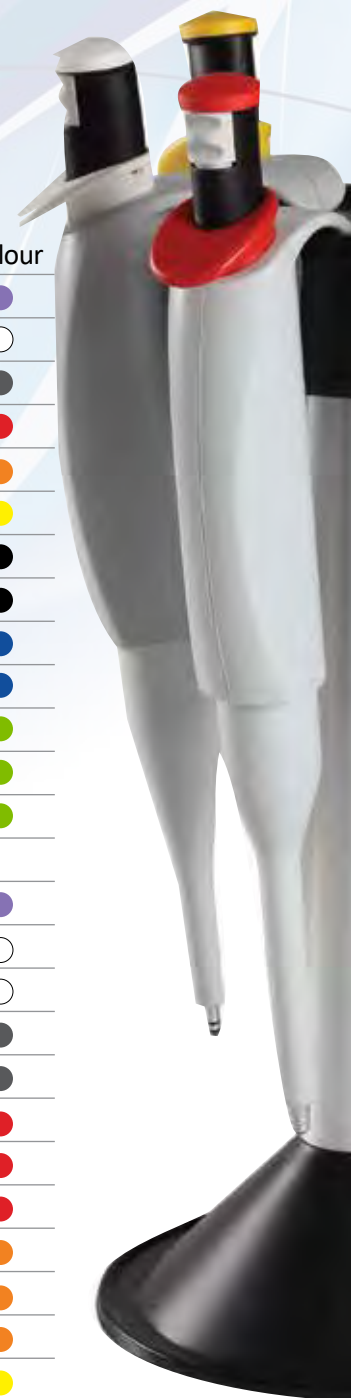
Cat. No.	Description
C-05	Pipette stand for up to 5 CAPP mechanical pipettes, all models
C-04	Pipette stand for up to 4 CAPPMaestro pipettes or all mechanical pipettes
C-01	Combi stand (2 modules) for up to 3 mechanical pipettes, except CAPPBravo
C-06	Pipette stand for up to 6 CAPP mechanical pipettes, except CAPPBravo
E-stand	Stand for up to 3 CAPPTronic pipettes
00392-1	Block for 4 volume controllers

## Timer

Cat. No.	Description
T-01	CAPPTimer™

## Extra Volume Knobs For CAPP Mechanical Pipettes

Cat. No.	Description	Colour
2-VZ	Variable volume controller knob for 0.2-2µL pipettes	●
10-VZ	Variable volume controller knob for 0.5-10µL pipettes	○
20-VZ	Variable volume controller knob for 2-20µL pipettes	●
50-VZ	Variable volume controller knob for 5-50µL pipettes	●
100-VZ	Variable volume controller knob for 10-100µL pipettes	●
200-VZ	Variable volume controller knob for 20-200µL pipettes	●
300-VZ / 1	Variable vol. controller knob, 30-200µL, for 30-300µL pipettes	●
300-VZ	Variable vol. controller knob, 125-300µL, for 30-300µL pipettes	●
1000-VZ	Variable volume controller knob for 100-1000µL pipettes	●
1000-VZ-M	Variable volume controller knob for 100-1000µl pipettes (2µL increment)	●
5000-VZ	Variable volume controller knob for 1000-5000µL pipettes	●
5000-VZ-M	Variable volume controller knob for 1000-5000µl pipettes (10µL increment)	●
10000-VZ-M	Variable volume controller knob for 1000-10000µl pipettes	●
02-FE-1	1µL fixed volume controller knob for 0.2-2µL pipette	
02-FE-2	2µL fixed volume controller knob for 0.2-2µL pipette	●
10-FE-5	5µL fixed volume controller knob for 0.5-10µL pipette	○
10-FE-10	10µL fixed volume controller knob for 0.5-10µL pipette	○
20-FE-10	10µL fixed volume controller knob for 2-20µL pipette	●
20-FE-20	20µL fixed volume controller knob for 2-20µL pipette	●
50-FE-20	20µL fixed volume controller knob for 5-50µL pipette	●
50-FE-25	25µL fixed volume controller knob for 5-50µL pipette	●
50-FE-50	50µL fixed volume controller knob for 5-50µL pipette	●
100-FE-30	30µL fixed volume controller knob for 10-100µL pipette	●
100-FE-50	50µL fixed volume controller knob for 10-100µL pipette	●
100-FE-100	100µL fixed volume controller knob for 10-100µL pipette	●
200-FE-100	100µL fixed volume controller knob for 20-200µL pipette	●
200-FE-200	200µL fixed volume controller knob for 20-200µL pipette	●
300-FE-300	300µL fixed volume controller knob for 30-300µL pipette	●
1000-FE-500	500µL fixed volume controller knob for 100-1000µL pipette	●
1000-FE-1000	1000µL fixed volume controller knob for 100-1000µL pipette	●
5000-FEA-5000	5000µL fixed volume controller knob for 1-5mL, model AZ	●
XXX-FE-YYY	Other fixed vol. controllers, ecopipette	



# CAPP *Maestro*

ELECTRONIC PIPETTES

**CAPP *Maestro* Electronic Pipette** combines all benefits that the modern researcher needs. The “*Favourites*” button is the first function that you will see on **CAPP *Maestro***’s OLED display. The fully-coloured OLED display gives better optical control while pipetting, as it has better contrast and a greater screen refresh rate compared to other LCD screens. Additionally, an OLED display consumes less power compared to other displays.

**CAPP *Maestro***’s lightweight construction and elegant ergonomic design with a wide hook allows you to rest the pipette at the palm of your hand - no need to actually “grab it”.

**CAPP *Maestro* Electronic Pipette**’s tip ejector also works as a finger rest for your thumb. Simply rest your thumb on the tip ejector, and gently activate the pipetting button at the same time.

Optimise your serial work with advanced functions such as multi-dispensing, dilution and mixing, whilst easily navigating through the user-friendly graphic intuitive interface that is self explanatory and easily operated!

For your routine lab work, **CAPP *Maestro* Electronic Pipette** allows you to easily store your favourite protocols and to switch from one to the other in a matter of 2 clicks.

If you are tired of changing the batteries so often, try **CAPP *Maestro*** which uses lithium batteries - ideal for long-lasting performance.

You can also use your **CAPP *Maestro* Electronic Pipette** while it is charging.

Calibration and password-setting functions are available on this pipette.



## Ordering Information

Cat. No.	Description	Inaccuracy %	Imprecision %
M10-1	CAPPMaestro single channel, 0,2-10µL	2.50 / 1.00	1.80 / 0.50
M100-1	CAPPMaestro single channel, 5-100µL	2.50 / 0.70	1.00 / 0.20
M200-1	CAPPMaestro single channel, 10-200µL	2.50 / 0.60	0.70 / 0.20
M1000-1	CAPPMaestro single channel, 50-1000µL	2.00 / 0.80	0.60 / 0.20
M5000-1	CAPPMaestro single channel, 500-5000µL	2.40 / 0.60	0.60 / 0.15

# CAPP *Tronic*

ELECTRONIC PIPETTES



The **CAPP *Tronic* Electronic Pipette** is certainly one of the easiest pipettes to set and use. Having only a one-sided programming manual, familiarising yourself with **CAPP *Tronic***'s functions takes just a matter of minutes.

In addition to standard pipetting, you can choose between the most widely used pipetting modes, including reverse pipetting, multi dispensing, mixing and sequential dispensing.

Up to nine individual protocols can be stored, thanks to the extensive memory capacity.

Supplied with one long-life and easily exchangeable lithium battery, the **CAPP *Tronic* Electronic Pipette** allows uninterrupted pipetting without any need to stop working in order to recharge.

The O-rings on the tip base provide an excellent fit, with a great variety of universal fitting tips.



## Ordering Information

Cat. No.	Description	Inaccuracy %	Imprecision %	Colour
E20-8BA	CAPPTronic electronic pipette, 8-channel, 2-20 $\mu$ L	1.00	0.30	Red
E200-8BA	CAPPTronic electronic pipette, 8-channel, 10-200 $\mu$ L	0.60	0.15	Yellow
E1200-8BA	CAPPTronic electronic pipette, 8-channel, 100-1200 $\mu$ L	0.50	0.15	Blue

# CAPP *Tempo*

## PIPETTE CONTROLLER

The **CAPP *Tempo* Pipette Controller** has revolutionary features that separate it from other pipette controllers.

### LED Display:

- Display shows aspiration and dispense speeds
- Displays remaining battery life and flashes when the power is low
- Display turns-off after 20 seconds of non-use to conserve battery

### Adjustable Speeds:

- Powerful motor fills 25mL in 5 seconds (at speed level 6)
- Aspiration and dispense modes have separate speed controls
- Six different speed settings for both aspiration and dispense modes

### Electronic Brake System (EBS):

- Apply EBS to slow down at the last second to dial in the most accurate volume
- Press EBS a second time to return to maximum speed
- EBS maximises speed and precision

### Power Supply:

- Lithium ion battery, full charge provides eight hours of continuous use
- Battery can be charged while pipette is in use

## Ordering Information

Cat. No.	Description
T100-B	CAPPTempo Blue
T100-G	CAPPTempo Green
T100-R	CAPPTempo Red
T100-V	CAPPTempo Violet
T100-CS	CAPPTempo Charging Stand





# CAPP Controller

MOTORISED PIPETTE CONTROLLER

## Features:

- Light and fatigue free: weighs only 167g including the battery
- Lithium battery with no memory effect and up to 12 hours of continuous use
  - Can be charged while in use
- Powerful: 50mL pipette is filled in less than 10 seconds
  - Express dispensing: depress the dispensing button beyond the built-in point of resistance
- Gravity delivery and blow-out dispensing mode selection
  - Fully adjustable speed-setting
- Exchangeable 0.2  $\mu\text{m}$  PTFE disc filter acts as effective shut-down system if overfill occurs
  - Exchangeable pipette holders are made of silicon
- For use with glass or plastic pipettes ranging from 0.1mL to 100mL
  - Vapour outlet for venting out corrosive liquids or fumes
- Fully autoclavable nose cone
  - UV-resistant housing
  - Complies with CE and RoHS



## Ordering Information

Cat. No.	Description
PA-100	CAPPController Motorised Controller, 0.1-100mL

# CAPP *Rhythm*

## MECHANICAL REPEATER

### Features:

- Reliable ergonomics for your lab routine without sacrificing ultimate precision
- Covers the complete set of dispensing volumes 1-5000µL
- Single-handed volume selection, loading and dispensing
  - Minimum maintenance requirements
  - Robust design and construction
  - Almost no wear on parts
  - Lightweight – only 105g
  - One year warranty



## Ordering Information

Cat. No.	Description
PR-50	CAPPRhythm Mechanical Repeater, 0.1-50mL

### CAPP *Rhythm* Dispensing Volumes

Setting	1	2	3	4	5
TIPS/ Steps	48	23	15	11	8
0.05mL	1µL	2µL	3µL	4µL	5µL
0.5mL	10µL	20µL	30µL	40µL	50µL
1mL	20µL	40µL	60µL	80µL	100µL
1.25mL	25µL	50µL	75µL	100µL	125µL
2.5mL	50µL	100µL	150µL	200µL	250µL
5mL	100µL	200µL	300µL	400µL	500µL
12.5mL	250µL	500µL	750µL	1000µL	1250µL
25mL	500µL	1000µL	1500µL	2000µL	2500µL
50mL	1000µL	2000µL	3000µL	4000µL	5000µL



# CAPP R10

## MECHANICAL REPEATER

### Features:

- Highly resistant towards a broad range of chemicals
- Easy selection and dispensing through a vision panel
- Reliable and maintenance-free due to its robust design
- Flexible: 12 tip sizes, 10 volume adjustments and 120 program steps
- Reliable ergonomics for your lab routine without sacrificing ultimate precision
- Handy, having a perfect ergonomic design. One-handed operation of volume selection, loading and dispensing of liquids
- Convenient: the easy-moving dosing button and the lightweight instrument makes long dosing series more comfortable
- The **CAPP R10 Mechanical Repeater** is highly compatible with both **CAPP Harmony** syringes and also with tips of many common brands
- The table below shows all dosing possibilities, enabling you to choose the most suitable tip for your application



### CAPP R10 Dispensing Volumes

Program No.	1	2	3	4	5	6	7	8	9	10
0.05mL	1µL	1.5µL	2µL	2.5µL	3µL	3.5µL	4µL	4.5µL	5µL	5.5µL
0.1mL	2µL	3µL	4µL	5µL	6µL	7µL	8µL	9µL	10µL	11µL
0.2mL	4µL	6µL	8µL	10µL	12µL	14µL	16µL	18µL	20µL	22µL
0.5mL	10µL	15µL	20µL	25µL	30µL	35µL	40µL	45µL	50µL	55µL
1mL	20µL	30µL	40µL	50µL	60µL	70µL	80µL	90µL	100µL	110µL
1.25mL	25µL	37.5µL	50µL	62.5µL	75µL	87.5µL	100µL	112.5µL	125µL	137.5µL
2.5mL	50µL	75µL	100µL	125µL	150µL	175µL	200µL	225µL	250µL	275µL
5mL	100µL	150µL	200µL	250µL	300µL	350µL	400µL	450µL	500µL	550µL
10mL	200µL	300µL	400µL	500µL	600µL	700µL	800µL	900µL	1000µL	1100µL
12.5mL	250µL	375µL	500µL	625µL	750µL	875µL	1000µL	1125µL	1250µL	1375µL
25mL	500µL	750µL	1000µL	1250µL	1500µL	1750µL	2000µL	2250µL	2500µL	2750µL
50mL	1000µL	1500µL	2000µL	2500µL	3000µL	3500µL	4000µL	4500µL	5000µL	5500µL
Steps	48	31	22	18	14	12	10	9	8	7

## Ordering Information

Cat. No.	Description
PR-10	CAPP R10 Mechanical Repeater

# CAPP Forte

## BOTTLE-TOP DISPENSER

Made of highly chemical-resistant materials, such as PTFE, PFA, Borosilicate and Platinum, **CAPP Forte Bottle-Top Dispenser** is the ideal choice for dispensing bases, acids and solvents. Using the positive displacement principle, where the tightly fitting piston wipes the walls of the glass-cylinder, removing the liquid completely, **CAPP Forte** can be used for dispensing media that are difficult to handle, such as crystallizing, viscous, foaming or vaporizing liquids. Autoclavable at 121° C / 250° F, **CAPP Forte** can also be used for sterile applications.

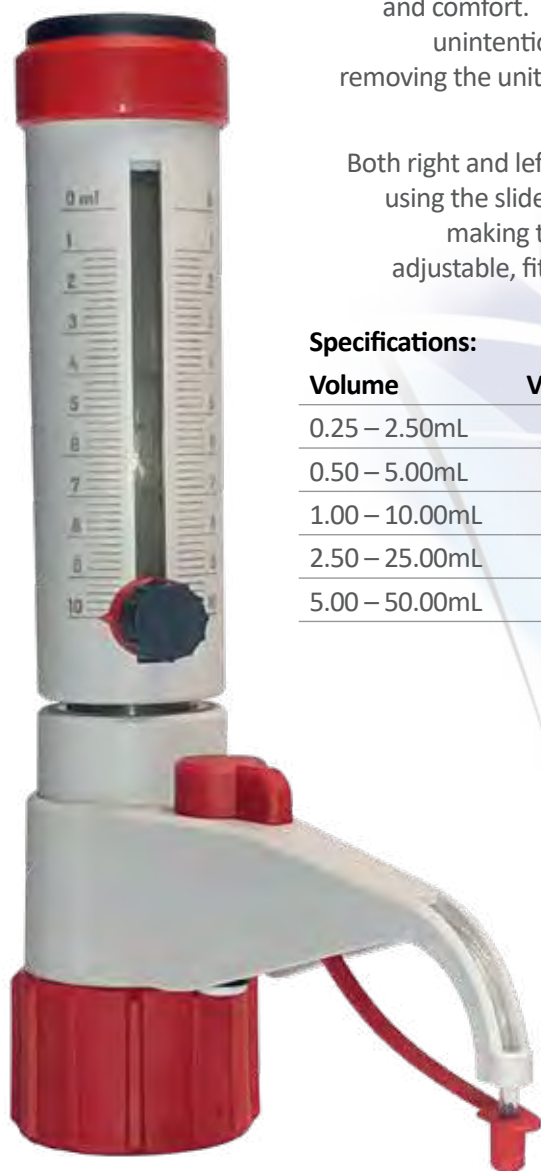
For use with Hydrogen fluoride/ Hydrofluoric acid, **CAPP Forte Bottle-Top Dispenser** offers a specially adjusted model, called CF10-1-HF (1-10mL), where the dispensed liquid comes into contact only with the materials of PFA, Al<sub>2</sub>O<sub>3</sub>, FEP, ETFE, PTFE, platinum-iridium and PVDF.

**CAPP Forte Bottle-Top Dispenser** offers a range of features which increase user safety and comfort. Locking the 3-way-valve disables the dispensing function, preventing unintentional reagent flow. Additionally, the system can be evacuated without removing the unit from the bottle, and the transparent plastic sleeve protects the user from cuts and splashes in the event of an accidental glass break.

Both right and left-handed users can quickly and accurately set up the desired volume using the slide-and-lock volume setting button. The discharge tube can be rotated, making the bottle label visible at any time. The telescope intake tube is easily adjustable, fitting reagent bottles without cutting. Three PP-adapters for the most common bottle sizes are supplied with the instrument.

### Specifications:

Volume	Volume steps	Thread	Adapters GL	Accuracy %	Precision %
0.25 – 2.50mL	0.05mL	GL 32	28, 40, 45	0.6%	≤0.1%
0.50 – 5.00mL	0.10mL	GL 32	28, 40, 45	0.5%	≤0.1%
1.00 – 10.00mL	0.20mL	GL 32	28, 40, 45	0.5%	≤0.1%
2.50 – 25.00mL	0.50mL	GL 45	38, 40, 38/32	0.5%	≤0.1%
5.00 – 50.00mL	1.00mL	GL 45	38, 40, 38/32	0.5%	≤0.1%



## Ordering Information

Cat. No.	Description
CF2-1	CAPP Forte Bottle-Top Dispenser, 0.25-2.5mL
CF5-1	CAPP Forte Bottle-Top Dispenser, 0.5-5mL
CF10-1	CAPP Forte Bottle-Top Dispenser, 1-10mL
CF25-1	CAPP Forte Bottle-Top Dispenser, 2.5-25mL
CF50-1	CAPP Forte Bottle-Top Dispenser 5-50mL
CF10-1-HF	CAPP Forte Bottle-Top Dispenser, 1-10mL HF for use with Hydrogen fluoride/ Hydrofluoric acid

# EXPELL and EXPELLPLUS

## PIPETTE TIPS

More than 20 years of expertise as a pipette tips manufacturer gives **CAPP** the necessary know-how to select and design tips that match the expectations of the strictest customers.

**CAPP** offers a wide range of high quality tips to fulfill the pipetting needs of research, diagnostics and analytical laboratories.

### Premium design:

- Universal compatibility to the majority of pipette brands on the market
- Different lengths for different applications within the same volume range
- Crystal clear, incremental marks for convenience of use

### Premium portfolio:

- Select from **EXPELLPlus** Low Retention or **EXPELL** Standard (both of premium quality)
- Options of bulk, racked, racked-sterile, reloads, racked-sterile-filtered and bulk-filtered tips
- Different designs of tips within the same volume range to fit almost all the pipettes available on the market

### Premium manufacturing:

- Absolutely no compromise made on quality parameters
- Clean-room facility to eliminate the risk of contamination
- Certified RNase, DNase, DNA and Pyrogen-free
- Superb quality, Swiss-made injection molds
- Made from virgin polypropylene

**EXPELLPlus**  
Low Retention Tips



Standard Tip



# EX Pell and EX PellPLUS

BULK PIPETTE TIPS

**EX Pell** and **EX PellPlus** Bulk Pipette Tips come in self-standing, self-sealing plastic bags, enabling comfortable usage and storage.

The tips can be used directly from the bag or manually refilled into all **CAPP** racks. Each bag has a label showing the catalogue and the batch number for easier identification.

**CAPP Bulk Pipette Tips** are the ideal choice for cost-sensitive customers. The tips are manufactured under the same strict conditions as all other types of **CAPP** tips and are certified according to RNase, DNase, DNA and Pyrogen-free standards. They offer universal compatibility with all major pipette brands on the market.



# Ordering Information

## EXPell Bulk Filter Tips

Cat. No.	Description
5131030C	Expell 10 $\mu$ L, bag, w/ filter, 20x1000 pcs.
5131060C	Expell 10 $\mu$ L XL, bag, w/ filter, 20x1000 pcs.
5131061C	Expell 10/20 $\mu$ L XL, extra narrow, bag, w/ filter, 20x1000 pcs.
5131062C	Expell 20 $\mu$ L, bag, w/ filter, 10x1000 pcs.
5131066C	Expell 100 $\mu$ L, bag, w/ filter, 10x1000 pcs.
5131090C	Expell 200 $\mu$ L, bag, w/ filter, 10x1000 pcs.
5131150C	Expell 1000 $\mu$ L, bag, w/ filter, 10x1000 pcs.

## EXPell Bulk Non-filter Tips

Cat. No.	Description
5130010C	Expell 10 $\mu$ L, clear, bag, 20x1000 pcs.
5130040C	Expell 10 $\mu$ L XL, clear, bag, 20x1000 pcs.
5130041C	Expell 10/20 $\mu$ L XL, extra narrow, clear, bag, 20x1000 pcs.
5130070C	Expell 200 $\mu$ L, clear, bag, 30x1000 pcs.
4130075C	Expell 200 $\mu$ L, yellow, bag, 30x1000 pcs.
5130100C	Expell 300 $\mu$ L, clear, bag, 10x1000 pcs.
5130130C	Expell 1000 $\mu$ l (1250 $\mu$ L), clear, bag, 10x1000 pcs.
4130135C	Expell 1000 $\mu$ l (1250 $\mu$ L), blue, bag, 10x1000 pcs.
5130132C	Expell 1000 $\mu$ L (1250 $\mu$ L), pre-sterile, clear, bag, 5x200 pcs. individually wrapped
5130120C	Expell 1250 $\mu$ L XL, clear, bag, 8x 500 pcs
5130160C	Expell 5000 $\mu$ L, clear, bag, 10x250 pcs. for ecopipette and CAPPBravo pipettes
5130161C	Expell 5000 $\mu$ l, clear, bag, 8x250 pcs. for CAPPSolo pipettes
5130190C	Expell 10000 $\mu$ l, clear, bag, 5x200 pcs. for ecopipette and CAPPBravo pipettes
5130191C	Expell 10000 $\mu$ l, clear, bag, 10x100 pcs. for CAPP Solo pipettes

## EXPellPlus Bulk Non-filter Tips, Low Retention

Cat. No.	Description
5030010C	ExpellPlus 10 $\mu$ L, pre-sterile, clear, bag, 20x1000 pcs.
5030012C	ExpellPlus 10 $\mu$ L, pre-sterile, clear, bag, 5x400 pcs. individually wrapped
5030040C	ExpellPlus 10 $\mu$ L XL, pre-sterile, clear, bag, 20x1000 pcs.
5030042C	ExpellPlus 10 $\mu$ L XL, pre-sterile, clear, bag, 5x400 pcs. individually wrapped
5030070C	ExpellPlus 200 $\mu$ L, pre-sterile, clear, bag, 30x1000 pcs.
5030072C	ExpellPlus 200 $\mu$ L, pre-sterile, clear, bag, 5x400 pcs. individually wrapped
5030130C	ExpellPlus 1000 $\mu$ l (1250 $\mu$ L), pre-sterile, clear, bag, 10x1000 pcs.

# EX Pell and EX PellPLUS

RACKED TIPS

**CAPP** offers a wide portfolio of racked pipette tips. The racks are compatible with **CAPP** bulk tips of the corresponding volume sizes as well as with the **CAPP** reload system.

All **CAPP Racked Tips** are manufactured using Swiss-made injection molds, to ensure a premium quality. The product portfolio for racked tips includes filter, non-filter, sterile and non-sterile tips. Additionally, **CAPP Racked Tips** are available as **EX Pell** standard quality and **EX PellPlus** low-retention tips. Both versions are universally compatible with the majority of pipette brands available on the market.

In order to support a wider range of applications, **CAPP Racked Tips** are available in different lengths within the same volume range. The autoclavable racks are packed in user-friendly and space-saving dispenser boxes, including 10 racks (for the majority of volume sizes) or 8 racks for the 1mL tips.

Made of virgin polypropylene, **CAPP Racked Tips** are RNase, DNase and Pyrogen-free certified. The **EX PellPlus** racked tips have unique low retention properties, reducing sample binding to a minimum and significantly improving your pipetting results.



# Ordering Information



## EXPell Racked Tips

Cat. No.	Description
5030015C	Expell 10 $\mu$ L, hinged racks, 5x10x96 pcs.
5130030C	Expell 10 $\mu$ L, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030045C	Expell 10 $\mu$ L XL, hinged racks, 5x10x96 pcs.
5030046C	Expell 10/20 $\mu$ L XL, extra narrow, hinged racks, 5x10x96 pcs.
5130060C	Expell 10 $\mu$ L XL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5130061C	Expell 10/20 $\mu$ L XL, extra narrow, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5130062C	Expell 20 $\mu$ L, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5130066C	Expell 100 $\mu$ L, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030075C	Expell 200 $\mu$ L, hinged racks, 5x10x96 pcs.
5130090C	Expell 200 $\mu$ L, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5130105C	Expell 300 $\mu$ L, hinged racks, 5x10x96 pcs.
5130135C	Expell 1000 $\mu$ L (1250 $\mu$ L), hinged racks, 4x8x96 pcs.
5130140C	Expell 1000 $\mu$ L (1250 $\mu$ L), pre-sterile, hinged racks, 4x8x96 pcs.
5130150C	Expell 1000 $\mu$ L, pre-sterile w/ filter, hinged racks, 4x8x96 pcs.
5130121C	Expell 1250 $\mu$ L XL, hinged racks, 4x8x96 pcs.
5130122C	Expell 1250 $\mu$ L XL, pre-sterile, hinged racks, 4x8x96 pcs.
5130123C	Expell 1250 $\mu$ L XL, pre-sterile w/filter, hinged racks, 4x8x96 pcs.
5130165C	Expell 5000 $\mu$ L, pre-sterile, racks, 10x50 pcs.
5130195C	Expell 10000 $\mu$ L, pre-sterile, racks, 10x25 pcs.

## EXPellPlus Racked Tips, Low Retention

Cat. No.	Description
5030020C	ExpellPlus 10 $\mu$ L, pre-sterile, hinged racks, 5x10x96 pcs.
5030030C	ExpellPlus 10 $\mu$ L, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030050C	ExpellPlus 10 $\mu$ L XL, pre-sterile, hinged racks, 5x10x96 pcs.
5030051C	ExpellPlus 10/20 $\mu$ L XL, extra narrow, pre-sterile, hinged racks, 5x10x96 pcs.
5030060C	ExpellPlus 10 $\mu$ L XL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030061C	ExpellPlus 10/20 $\mu$ L XL, extra narrow pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030062C	ExpellPlus 20 $\mu$ L, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030066C	ExpellPlus 100 $\mu$ L, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030080C	ExpellPlus 200 $\mu$ L, pre-sterile, hinged racks, 5x10x96 pcs.
5030090C	ExpellPlus 200 $\mu$ L, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5130110C	ExpellPlus 300 $\mu$ L, pre-sterile, hinged racks, 5x10x96 pcs.
5030115C	ExpellPlus 300 $\mu$ L, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030150C	ExpellPlus 1000 $\mu$ L, pre-sterile w/ filter, hinged racks, 4x8x96 pcs.

# EXPellPLUS

## INDIVIDUALLY WRAPPED TIPS

**EXPellPlus Individually Wrapped Tips** are ideal for sensitive applications requiring the strictest aseptic conditions.

Their unique individual packaging ensures sterility for every single pipetting cycle, maximising the exceptional performance of **EXPellPlus** sterile tips. Assuring the greatest purity standards, **EXPellPlus Individually Wrapped Tips** are free from Endotoxin, DNA, DNase, RNase and PCR inhibitor.

Available in four volume sizes: 10µL standard and extended length, 200µL and 1000-1250µL, **EXPellPlus** individually wrapped tips are universally compatible with the majority of pipette brands available on the market. Thanks to the unique composition of plastic polymer, the inner surface of **EXPellPlus Individually Wrapped Tips** is more hydrophobic, which significantly reduces sample adhesion. These low retention properties minimise sample binding inside the tip, making **EXPellPlus** tips ideal for applications requiring high accuracy and reproducibility.

**EXPellPlus Individually Wrapped Tips** are sterile. Batch number and expiration date are printed on each individual wrap.



## Ordering Information

### EXPellPlus Individually Wrapped Tips

Cat. No.	Description
5030012C	ExpellPlus 10µL, pre-sterile, clear, bag, 5x400 pcs. individually wrapped tips
5030042C	ExpellPlus 10µL XL, pre-sterile, long, clear, bag, 5x400 pcs. individually wrapped tips
5030072C	ExpellPlus 200µL, pre-sterile, clear, bag, 5x400 pcs. individually wrapped tips
5130132C	Expell 1000µL (1250µL), pre-sterile, clear, bag, 5x200 pcs. individually wrapped tips



# EXPell

## RELOAD SYSTEM

**EXPell Pipette Tips Reload System** is available for 10µL standard and extended length as well as for the 200µL and 1000-1250µL tips. Depending on the tip volume, it consists of towers with 5, 8 or 10 insert plates containing 96 tips each.

The system is extremely easy to use. Take off the tower cover and pick up the insert plate with tips. Place it into the empty rack. The rack has been refilled with 96 tips.

**EXPell Reload System** enables multiple savings:

It cuts shipping costs significantly by reducing up to 75% of the packing volume. The tips in an **EXPell Reload System** are packed more compactly compared to standard racked or bulk tips.

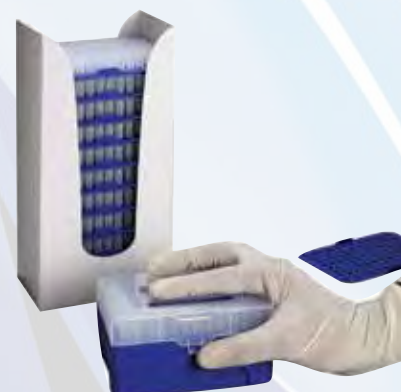
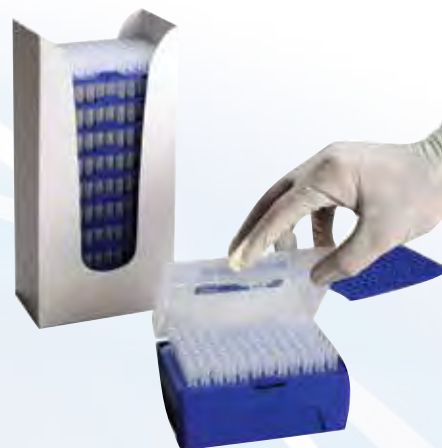
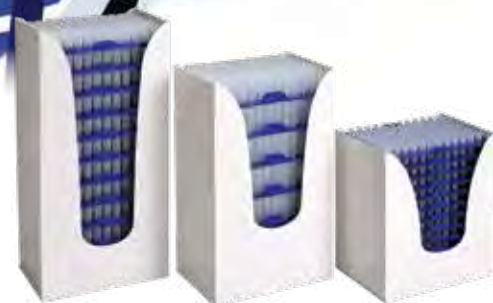
In the **EXPell Reload System** the tips from the upper insert plate are partially placed into the tips of the lower plate, resulting in a slim tower, taking much less space than a single box with 10 racked tips.

**CAPP's EXPell Reload System** reduces the plastic waste. Each rack can be reused multiple times and, apart from the insert plates with tips, there is no further plastic component in the **EXPell Reload System** – only the recyclable cardboard packaging.

Further saving with **EXPell Reload System** concerns the space. Thanks to the minimal footprint, the towers of the **EXPell Reload System** take up as less space on the benchtop and in the storage room as possible.

The system is compatible with all **CAPP** racks of corresponding tip volumes.

Spare, empty racks are available as accessories.



## Ordering Information

Cat. No.	Description
5030035C	Expell 10µL, reload tips, 10x10x96 pcs.
5030034C	Empty rack for 10µL, reload tips, 50 pcs.
5030055C	Expell 10/20µL XL, extra narrow, 10x10x96 pcs.
5030054C	Empty Rack ro 10/20µL XL, extra narrow, reload tips, 50 pcs.
5030095C	Expell 200µL, reload tips, 10x10x96 pcs.
5130111C	Expell 300µL, reload tips, 10x8x96 pcs
5030094C	Empty rack for 200µL/300µl, reload tips, 50 pcs.
5130155C	Expell 1000µL (1250µL), reload tips, 10x5x96 pcs.
5130125C	Empty rack for 1000µL (1250µL), reload tips, 32 pcs.

# EXPELL and EXPELLPLUS

## FILTER TIPS

Filter tips are primarily used to prevent cross-contamination on critical applications, for example in the field of molecular biology.

More than 20 years of expertise as a pipette manufacturer gives **CAPP** the necessary know-how to select and design tips that match the expectations of the strictest customers; offering a wide range of high quality tips to fulfill the pipetting needs of research, diagnostics and analytical laboratories.

**CAPP Filter Tips** feature a premium design and universal tip compatibility. They are crystal clear and have accurate graduation marks. The premium filters are consistent in their dimensions, feature controlled pore sizes and are without any additives, making them perfect for molecular, clinical and life science use.

**CAPP EXPELL and EXPELLPLUS Filter Tips** are made to fulfill premium specifications. They possess low retention properties and have a great finish with flash-free orifice. They are certified DNase, RNase, DNA/RNA and pyrogen-free.



## EXPELLPLUS PaperBox

Introducing **EXPELLPLUS PaperBox** filtered pipette tips in cardboard racks

**CAPP** is proud to introduce the environmentally-friendly **EXPELLPLUS PaperBox** cardboard racks for **EXPELLPLUS** filter pipette tips. Perfectly suited to the **CAPP** refill system, these are a great alternative to standard plastic tip racks.

### Recyclability:

When you choose filtered pipette tips in **EXPELLPLUS PaperBox** cardboard racks, the racks can be recycled, reducing any waste impact on the environment.

With the **EXPELLPLUS PaperBox** cardboard racks, when you are finished with a pack of tips, instead of adding to the global waste problem you can be a part of the solution by simply flattening and recycling the rack.

**Together we can stop adding more plastic to the environment and be a part of the change that will help our planet!**



# Ordering Information

## EXpell Filter tips

Cat. No.	Description
5130030C	Expell 10µL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5131030C	Expell 10µL, bag, w/ filter, 20x1000 pcs.
5130060C	Expell 10µL XL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5131060C	Expell 10µL XL, bag, w/ filter, 20x1000 pcs.
5130061C	Expell 10/20µL XL, extra narrow, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5131061C	Expell 10/20µL XL, extra narrow, bag, w/ filter, 20x1000 pcs.
5130062C	Expell 20µL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5131062C	Expell 20µL, bag, w/ filter, 10x1000 pcs.
5130066C	Expell 100µL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5131066C	Expell 100µL, bag, w/ filter, 10x1000 pcs.
5130090C	Expell 200µL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5131090C	Expell 200µL, bag, w/ filter, 10x1000 pcs.
5130150C	Expell 1000µL, pre-sterile w/ filter, hinged racks, 4x8x96 pcs.
5131150C	Expell 1000µL, bag, w/ filter, 10x1000 pcs.
5130123C	Expell 1250µL XL, pre-sterile w/ filter, hinged racks, 4x8x96 pcs.

## EXpellPlus Filter tips, Low Retention

Cat. No.	Description
5030030C	ExpellPlus 10µL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030060C	ExpellPlus 10µL XL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030061C	ExpellPlus 10/20µL XL, extra narrow, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030062C	ExpellPlus 20µL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030066C	ExpellPlus 100µL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030090C	ExpellPlus 200µL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030115C	ExpellPlus 300µL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030150C	ExpellPlus 1000µL, pre-sterile w/ filter, hinged racks, 4x8x96 pcs.



## EXpell and EXpellPlus Filter Tips in Cardboard Racks

Cat. No.	Description
5030029C	ExpellPlus 10µL, pre-sterile w/ filter, PaperBox, 5x10x96 pcs.
5030059C	ExpellPlus 10µL XL, extra narrow pre-sterile w/ filter, PaperBox, 5x10x96 pcs.
5030063C	ExpellPlus 20µL, pre-sterile w/ filter, PaperBox, 5x10x96 pcs.
5030064C	ExpellPlus 100µL, pre-sterile w/ filter, PaperBox, 5x10x96 pcs.
5030089C	ExpellPlus 200µL, pre-sterile w/ filter, PaperBox, 5x10x96 pcs.
5030114C	ExpellPlus 300µL, pre-sterile w/ filter, PaperBox, 5x10x96 pcs.
5130149C	Expell 1000µL, pre-sterile w/ filter, PaperBox, 4x8x96 pcs.
5130119C	Expell 1250µL XL, pre-sterile w/ filter, PaperBox, 4x8x96 pc.







# CAPP *Origami*

REAGENT RESERVOIRS

**CAPP *Origami*** represents a new way of thinking when it comes to reagent reservoirs.

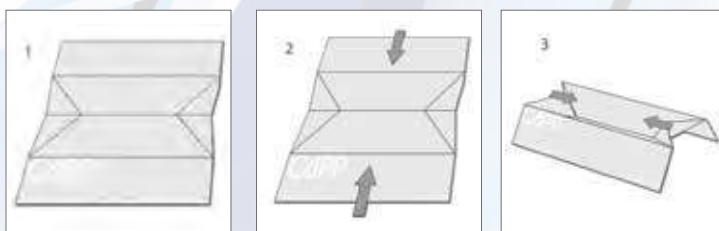
**CAPP *Origami* Reagent Reservoirs** feature a sharp V-shaped bottom which helps prevent bubbles forming and ensures that you can retrieve the very last drop of liquid. This makes pipetting easier and ensures the most efficient use of the reagent.

The stiff construction of **CAPP *Origami*** results in a consistently firm reservoir. This easy-to-use design features pre-folded lines. To assemble your **CAPP *Origami* Reagent Reservoirs** simply flick it up by pushing the sides together, creating a strong, stable reservoir.

Made from durable polypropylene, these reservoirs are packed, shipped and stored as flat sheets, saving on both space and shipping costs.

Choose from 30mL reservoirs for 8/16 channel or 40mL for 12 channel pipettes.

Use your reagent most efficiently with **CAPP *Origami* Reagent Reservoirs**. Being environmentally and storage friendly, this product will increase space on your worktop and save you money.



## Ordering Information

Cat. No.	Description
CA40505	CAPPOrigami 30mL (8- and 16-channel pipettes), bag w/ 50 pcs.
CA40506	CAPPOrigami 30mL (8- and 16-channel pipettes), Pre-sterile, 10 bags w/ 5 pcs. each
CA40510	CAPPOrigami 40mL (12-channel pipettes), bag w/ 50 pcs.
CA40511	CAPPOrigami 40mL (12-channel pipettes), Pre-sterile, 10 bags w/ 5 pcs. each

# CAPP Sharp

## REAGENT RESERVOIRS

With **CAPP**'s new sterile, disposable reagent reservoirs, you can enjoy more efficiency in your manual liquid handling workflows. The new **CAPP Sharp Reagent Reservoirs** make quick work of liquid transfer, whether you are working on ELISA, PCR, or any other suitable protocol.

Constructed from our unique blend of virgin polystyrene, the new reagent reservoirs have a high degree of chemical stability. The material construction allows for a greater range of reagent compatibility across various protocols, and follows **CAPP**'s promise of robust laboratory equipment.

The reservoirs feature an angled interior which maximises sample withdrawal during pipetting, whilst also reducing dead volume. This significantly decreases any wastage of precious reagents and sample volume. Each interior slope also features accurate, indelible graduations that give the user clear visibility of reagent volumes from any angle.

With four conveniently located pour spouts, all corners of the reagent reservoir can be used to empty excess liquid for storage. Each spout is crafted to reduce spillage during liquid discharge.

The functional ridge design of **CAPP Sharp Reagent Reservoirs** enables stacking; minimising the space used during storage. When stacked, the lip at the base of each reagent reservoir serves as a tab for easy separation.



### Highlights:

- Angled interior with accurate volume graduations
  - Superior material construction with a broad range of chemical compatibility
- Stackable design needs minimal storage space
  - Effortless separation from storage stacks
- Convenient pour spouts for easy reagent retrieval

**CAPP Sharp Reagent Reservoirs** are supplied in two different packaging configurations: Bulk or Individually Wrapped, Sterile, and are available in 3 different sizes:

- **10mL, V-shaped** - Ideal for 8- and 16-channel pipettes
- **25mL, Flat Bottom** - Designed to work best with the pioneering line of **CAPP Aero 384** well multichannel pipettes (32-, 48- and 64-channel pipettes)
- **50mL, V-shaped** Ideal for use with 12-channel pipettes

## Ordering Information

Cat. No.	Description
CA40515C	CAPPSharp reagent reservoir 10mL, bulk, 5x100 pcs.
CA40516C	CAPPSharp reagent reservoir 10mL, individually wrapped, sterile, 50 pcs.
CA40520C	CAPPSharp reagent reservoir 25mL, bulk, 5x100 pcs.
CA40521C	CAPPSharp reagent reservoir 25mL, individually wrapped, sterile, 50 pcs.
CA40525C	CAPPSharp reagent reservoir 50mL, bulk, 5x100 pcs.
CA40526C	CAPPSharp reagent reservoir 50mL, individually wrapped, sterile, 50 pcs.



# CAPP Aero384

CONSUMABLES FOR 384 MANUAL PIPETTING



## Working with high-density plates has never been easier!

The **EXPellPlus<sup>384</sup>**™ range of pipette tips for 384-well pipetting were developed to fit the unique **CAPP Aero384** range of pipettes. All tips are low retention, which means they are designed to eliminate sample retention and reduce the binding of DNA, RNA and Proteins.

Try the **CAPP Aero384** portfolio and experience a great increase on your throughput, without any compromise on the accuracy and quality of your results.

The range also includes a filter tip to prevent any cross-contamination due to aerosol formation and to prevent dangers from toxic, infectious, radioactive or other hazardous materials to carry over.

The **CAPP Sharp 25mL Reagent Reservoirs** enable quick liquid transfer for our pioneering line of **CAPP Aero384** pipettes. They are supplied in two different packaging configurations: Bulk or Individually Wrapped, Sterile. All reservoirs are DNA, DNase, RNase and Pyrogen free.

The fully-skirted **CAPP EXPell 384-well PCR Plates** are the ideal choice for PCR and (q)PCR applications, as they fit standard 384-well cyclers and can be used in many 384-well blocks of (q)PCR cycler models. Contact us at [info@CAPP.dk](mailto:info@CAPP.dk) to receive the compatibility chart. They feature ultrathin walls, which are treated to minimize the binding of proteins and have an evaporation rate of less than 3%, enabling the processing of PCR volumes as small as 5µL.

**CAPP EXPell 384-well Plates** are DNA, DNase, RNA, RNase and Pyrogen free certified and autoclavable. They are also suitable for robotic applications, allowing high throughput and low-volume processing **CAPP** also provides a sealing adhesive for optimal closure of the plates. The pressure applied by the heated lid of the thermal cycler is needed to keep it well sealed during the thermal cycling process. It conforms for use in Real Time PCR applications.

## Ordering Information

### EXPellPlus 384 Low Retention Tips

Cat. No.	Description	Qty/pack	Packs/case
5030005C	ExpellPlus 0.2-50µL, racked, sterile	10 x 384	5
5030006C	ExpellPlus 0.2-50µL, racked, sterile, filtered	10 x 384	5

### EXPellPlus 384-well PCR Plates

Cat. No.	Description
5100513C	Expell 384-well PCR plate, natural, 320 pcs.
5100400C	Expell PCR Optical Disposable Adhesive, 100 pcs.

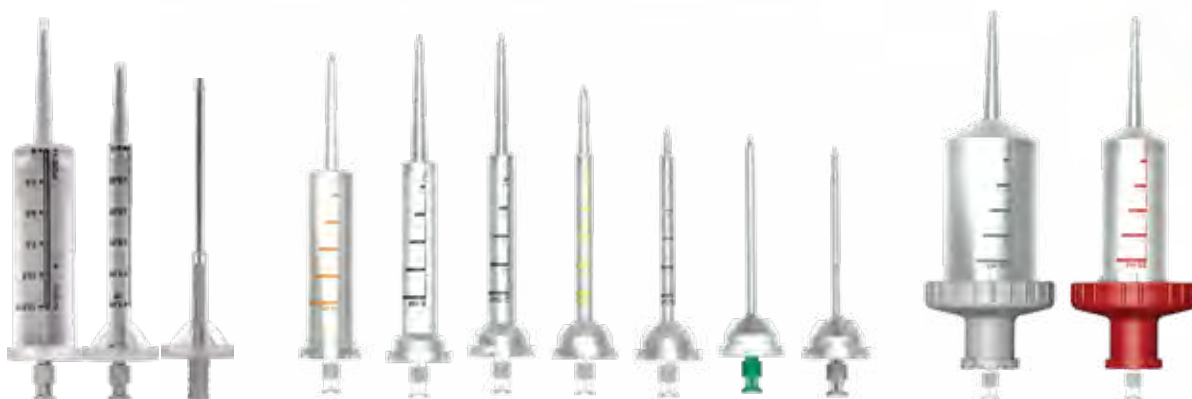
### CAPP Sharp Reagent Reservoir

Cat. No.	Description
CA40520	CAPPSharp Reagent Reservoir, 25mL, bulk, 5x100 pcs.
CA40521	CAPPSharp Reagent Reservoir, 25mL, individually wrapped, sterile, 50 pcs.



# CAPP *Harmony*

## RETIPS



### CAPP *Harmony* Basic Retips

**CAPP *Harmony* Basic Retips** are available in 3 sizes (0,05mL/1,25mL/ 12,5mL). The displacement principle of these retips ensures that infectious and particularly volatile substances can also be used in pipetting. Any contamination is eliminated as the liquid doesn't even touch the tip.

**CAPP *Harmony* Retips** are also suitable for particularly sensitive applications and analyses of body fluids. To prevent contamination and to prevent the corruption of any outcomes, the tips are wrapped individually.

### CAPP *Harmony* Universal and Macro Retips

**CAPP** provides 9 different sizes of universal syringes for all common brands on the market. The volume range from these retips varies from 1µL to 50mL. Every single tip is tested individually to ensure that all results are reliable and repeatable. You can either get these retips in bags of 25 or individually wrapped and sterilized. **CAPP *Harmony* Universal and Macro Retips** are certified endotoxins, ATP, RNase and DNA free.

## Ordering Information

### CAPP *Harmony* Universal Retips

Cat. No.	Description
RS-11-C	Universal 0,1mL, 100 pcs.
RS-11S-C	Universal 0,1mL, sterile, indiv. packed, 100 pcs.
RS-12-C	Universal 0,2mL, 100 pcs.
RS-12S-C	Universal 0,2mL, sterile, indiv. packed, 100 pcs.
RS-02-C	Universal 0,5mL, 100 pcs.
RS-02S-C	Universal 0,5mL, sterile, indiv. packed, 100 pcs.
RS-13-C	Universal 1,0mL, 100 pcs.
RS-13S-C	Universal 1,0mL, sterile, indiv. packed, 100 pcs.
RS-04-C	Universal 2,5mL, 100 pcs.
RS-04S-C	Universal 2,5mL, sterile, indiv. packed, 100 pcs.
RS-05-C	Universal 5,0mL, 100 pcs.
RS-05S-C	Universal 5,0mL, sterile, indiv. packed, 100 pcs.
RS-14-C	Universal 10,0mL, 100 pcs.
RS-14S-C	Universal 10,0mL, sterile, indiv. packed, 100 pcs.

### CAPP *Harmony* Basic Retips

Cat. No.	Description
RS-01-C	Basic 0,05mL, 100 pcs.
RS-01S-C	Basic 0,05mL, sterile, indiv. packed, 100 pcs.
RS-03-C	Basic 1,25mL, 100 pcs.
RS-03S-C	Basic 1,25mL, sterile, indiv. packed, 100 pcs.
RS-06-C	Basic 12,5mL, 100 pcs.
RS-06S-C	Basic 12,5mL, sterile, indiv. packed, 100 pcs.

### CAPP *Harmony* Macro Retips

Cat. No.	Description
RS-07-C	Macro 25,0mL, 25 pcs.
RS-07S-C	Macro 25,0mL, sterile, indiv. packed, 25 pcs.
RS-08-C	Macro 50,0mL, 25 pcs.
RS-08S-C	Macro 50,0mL, sterile, indiv. packed, 25 pcs.

### CAPP *Harmony* Samples Package

Cat. No.	Description
RS-00-C	Samples package (includes 5 pieces of bulk syringes from 0,05 to 25mL and 5 pieces of sterile 2,5mL, 5mL and 12,5mL)

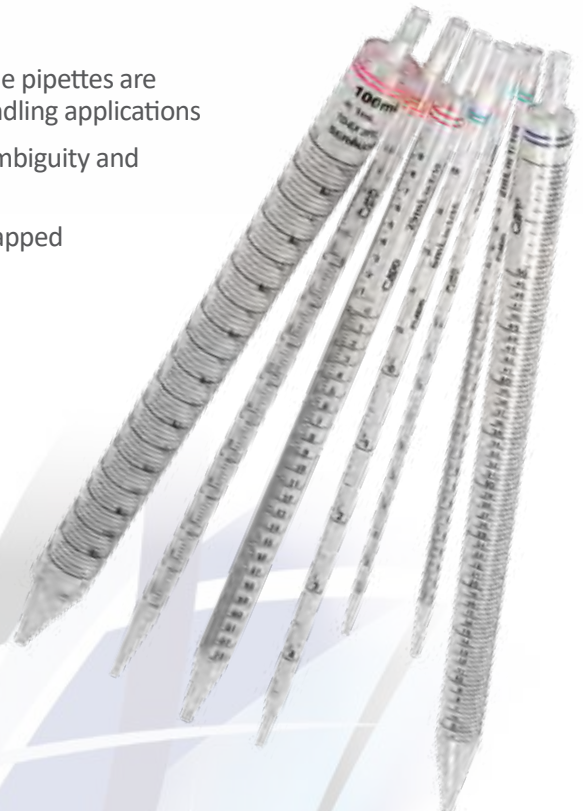
# CAPP Harmony

## SEROLOGICAL PIPETTES

**CAPP Harmony Serological Pipettes** are made from transparent medical-grade polystyrene sterilised by gamma irradiation. Each lot is tested for endotoxins (C.5 Eu/MI) (ISO TO993-11) and Cytotoxicity (ISO 10993-5) and are guaranteed non-haemolytic (ISO 10993-4). Ideal for use within tissue culture applications.

### Features:

- Designed for accurate and rapid fluid dispensing, these polystyrene pipettes are sterile, pyrogen-free and cotton-plugged for a variety of liquid handling applications
- The sharp, black, highly legible permanent graduations prevent ambiguity and guarantee precise reading and accurate dispensing to +1-2%
- Pipettes are supplied bulk (25 pipettes per bag) or individually wrapped in fibre-free colour-coded paper and plastic combination that is easy to open
- Each pipette comes with an effective filter barrier to prevent overflow of liquid into pipette
- Reverse graduations show the volume removed or remaining on all pipettes larger than 1mL
- Generous negative graduations provide additional pipetting volume
- The uniform mouth piece fits all major pipettors and is colour-coded for easy identification



## Ordering Information

Cat. No.	Description	Volume	Package	Colour
SP-1-C	CAPP Harmony Serological pipette	1mL	individually wrapped, 500 pcs.	Yellow
SPB-1-C	CAPP Harmony Serological pipette	1mL	bulk, 25 pcs./bag, 40 bags/case, (1000 pcs.)	Yellow
SP-2-C	CAPP Harmony Serological pipette	2mL	individually wrapped, 500 pcs.	Green
SPB-2-C	CAPP Harmony Serological pipette	2mL	bulk, 25 pcs./bag, 40 bags/case, (1000 pcs.)	Green
SP-5-C	CAPP Harmony Serological pipette	5mL	individually wrapped, 200 pcs.	Blue
SPB-5-C	CAPP Harmony Serological pipette	5mL	bulk, 25 pcs./bag, 20 bags/case (500 pcs.)	Blue
SP-10-C	CAPP Harmony Serological pipette	10mL	individually wrapped, 200 pcs.	Orange
SPB-10-C	CAPP Harmony Serological pipette	10mL	bulk, 25 pcs./bag, 20 bags/case (500 pcs.)	Orange
SP-25-C	CAPP Harmony Serological pipette	25mL	individually wrapped, 150 pcs.	Red
SPB-25-C	CAPP Harmony Serological pipette	25mL	bulk, 25 pcs./bag, 8 bags/case (200 pcs.)	Red
SP-50-C	CAPP Harmony Serological pipette	50mL	individually wrapped, 100 pcs.	Purple
SPB-50-C	CAPP Harmony Serological pipette	50mL	bulk, 25 pcs./bag, 4 bags/case (100 pcs.)	Purple
SP-100-C	CAPP Harmony Serological pipette	100mL	individually wrapped , 50 pcs.	Pink

# BluCAPP

## CENTRIFUGE TUBES

Designed to cover the everyday need for sample storage and centrifugation in the lab, the **BluCAPP Centrifuge Tubes** feature easy-to-read graduations as well as a large writing area (20x50mm).

### Features:

- The leak-proof caps have large ridges which provide an optimal grip when wearing gloves
- Combined with the 3/4 turn closure, it significantly increases speed and allows one-handed operation
- Made from polypropylene, the **BluCAPP Centrifuge Tubes** are autoclavable and tested to endure up to 16.000 RCF



## Ordering Information

Cat. No.	Description
5100014C	BluCAPP Centrifuge Tubes, 15mL, bulk, 20x25 pcs.
5100015C	BluCAPP Centrifuge Tubes, 15mL, pre-sterile, 20x25 pcs.
5100019C	BluCAPP Centrifuge Tubes, 15mL, cardboard rack, pre-sterile, 20x25 pcs.
5100049C	BluCAPP Centrifuge Tubes, 50mL, bulk, 20x25 pcs.
5100050C	BluCAPP Centrifuge Tubes, 50mL, pre-sterile, 20x25 pcs.
5100059C	BluCAPP Centrifuge Tubes, 15mL, cardboard rack, pre-sterile, 20x25 pcs.
5100060C	BluCAPP Centrifuge Tubes, 50mL, pre-sterile, self-standing, 20x25 pcs.

# EXPell Cryoboxes

PLASTIC CRYOBOXES

CAPP's plastic **EXPell Cryoboxes** are made of highly durable polypropylene and are suitable both for freezing at  $-90^{\circ}\text{C}$  and autoclaving at  $+121^{\circ}\text{C}$  for 20 minutes.

**EXPell Cryoboxes** are universally compatible with many other brands of cryo tubes. When used along with **EXPell Cryo Tubes**, they provide further unique, space-saving advantages, due to the unique design of **EXPell Cryo Tubes**. External thread cryo tubes are normally stored in boxes with 9x9 dividers, as the construction of the external thread adds an edge to the lid. The streamlined design of **EXPell Cryo Tubes** eliminates the edges, making them perfectly suitable for storage in boxes with 10x10 dividers. This increases the storage space by up to 23%, compared to storage in standard 9x9 boxes.

**EXPell Cryoboxes** have a numerical coding on both the lid and the bottom of each box. The edges of the boxes are slanted in order to ensure proper lid positioning and eliminate any potential encoding failures. The star-foot lock at the bottom of each box well enables one-handed tube opening without taking the tube out of the box.

## Features:

- Save up to 23% storage space with **EXPell Cryoboxes** with 10x10 dividers
- 5 sizes of **EXPell Cryoboxes** are available (height: 32, 40, 50, 80 and 90mm) to perfectly fit **EXPell Cryo Tubes** sizes from 0.5 to 5mL
- Quick and easy sample identification is possible thanks to the numerical coding for each tube
- Made of high quality durable polypropylene, suitable for storing at  $-90^{\circ}\text{C}$  and autoclaving at  $+121^{\circ}\text{C}$  for 20 minutes
- Star-foot lock at the bottom of each box well, enabling one-handed tube opening without taking the tube out of the box
- Slanted edges for easier identification and handling



## Ordering Information

Cat. No.	Description
5040510C	Expell Plastic Cryobox, 10x10 cell grid for 0.5mL cryovials, case of 36 pcs.
5041010C	Expell Plastic Cryobox, 10x10 cell grid for 1,0mL cryovials, case of 36 pcs.
5042010C	Expell Plastic Cryobox, 10x10 cell grid for 2,0mL cryovials, case of 36 pcs.
5044010C	Expell Plastic Cryobox, 10x10 cell grid for 4,0mL cryovials, case of 36 pcs.
5045010C	Expell Plastic Cryobox, 10x10 cell grid for 5,0mL cryovials, case of 36 pcs.
5042022C	Expell Plastic Cryobox, 9x9 cell grid for 1,0 - 2,0mL cryovials, 130x130x50 mm, case with 36 pcs.
5044020C	Expell Plastic Cryobox, 9x9 cell grid for 4,0mL cryovials, 130x130x80 mm, case with 36 pcs.
5045020C	Expell Plastic Cryobox, 9x9 cell grid for 5,0mL cryovials, 130x130x90 mm, case with 36 pcs.

# EXPELL *Cryoboxes*

## CARDBOARD CRYOBOXES

These **EXPELL Cryoboxes** from **CAPP** are made out of high quality cardboard and are available with two different grid sizes; 9x9 (81 cells) and 10x10 (100 cells). For easy sample detection our boxes feature a write-on surface, which will make identifying and retrieving your samples a lot easier. **CAPP's** cardboard **EXPELL Cryoboxes** are chemically-resistant to alcohols and mild organic solvents, but you cannot autoclave them.

If you are searching for an environmental friendly option for your cryo storage these are a great option as they are fully disposable after use.

### Features:

- Cardboard is constructed with a water-repellent finish for durability
- Temperature resistant, recyclable cardboard
- Removable grid, allowing more flexibility for your needs
- Supplied as 9x9 and 10x10 grid options



## Ordering Information

Cat. No.	Description
5042030C	Cardboard Cryobox B9, 133x133x50 mm, 9x9 cell grid
5042020C	Cardboard Cryobox B10, 133x133x50 mm including 10x10 cell grid

For more information about other size options, please contact [info@cappahn.com](mailto:info@cappahn.com)

# EXPell Cryo Tubes

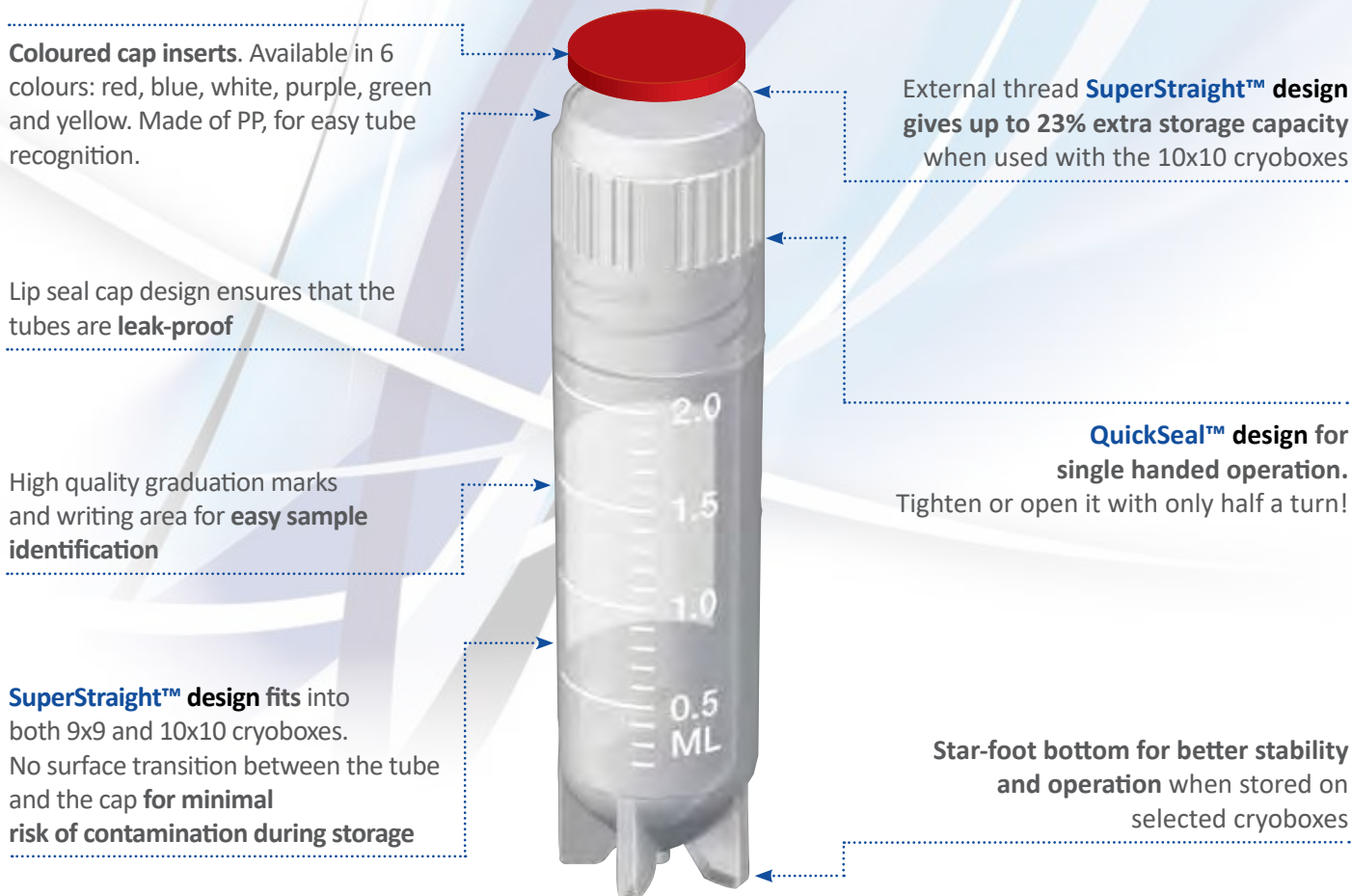
Superior by Design™

CAPP offers a unique portfolio of cryo tubes in 5 sizes: 0.5mL, 1.0mL, 2.0mL, 4.0mL and 5.0mL.

EXPell Cryo Tubes are designed with a focus on the best user experience and convenience. Featured with single-handed QuickSeal™ closure, the external thread design allows tightening or removal with just half a turn. These are one of the only cryo tubes with external thread and star foot which can be stored in 10x10 cryoboxes, saving up to 23% storage capacity compared to conventional cryo solutions. They are also compatible with common workstations on the market.

Both the caps and the cryo tubes are made of specially formulated polypropylene, having the same coefficient of expansion and therefore enhancing the leak-proof qualities at various temperatures.

EXPell Cryo Tubes come packed in resealable stand-up pouches, saving benchtop space. They are suitable for storage in the vapour phase of liquid nitrogen.



## Ordering Information

### EXPell Cryo Tubes

Cat. No.	Description
5040500C	Expell Cryo Tube 0,5mL, 10x100 pcs.
5041000C	Expell Cryo Tube 1,0mL, 10x100 pcs.
5042000C	Expell Cryo Tube 2,0mL, 10x100 pcs.
5042001C	Expell Cryo tube 2,0mL, non-sterile, bulk, case with 2x500 pcs (tubes) and 1x1000 pcs (caps)
5044000C	Expell Cryo Tube 4,0mL, 5x100 pcs.
5045000C	Expell Cryo Tube 5,0mL, 5x100 pcs.

### Coloured Cap Inserts for EXPell Cryo Tubes

Cat. No.	Description
504R000C	Red Cap Insert for Expell Cryo Tube, 1x500 pcs.
504B000C	Blue Cap Insert for Expell Cryo Tube, 1x500 pcs
504G000C	Green Cap Insert for Expell Cryo Tube, 1x500 pcs
504W000C	White Cap Insert for Expell Cryo Tube, 1x500 pcs.
504Y000C	Yellow Cap Insert for Expell Cryo Tube, 1x500 pcs.

# EXPell and EXPell *Secure*

## MICROCENTRIFUGE TUBES

The exclusive design of **EXPell *Secure* Microcentrifuge Tubes** reduces the risk of accidental opening or popping off during intense centrifugation or heating. The hinged lid of **EXPell *Secure* MCT** provides reliable long term sample integrity, with a leak-proof performance and a minimal sample loss due to evaporation during incubation or storage.

**CAPP EXPell** and **EXPell *Secure* MCT** are manufactured from virgin PP, out of the finest molds available.

### Features:

- Single-handed open/close operation
- Perfect sealing and evaporation protection
- Polished interior to prevent from protein adhesion
- High clarity for good sample visibility

All **CAPP EXPell** and **EXPell *Secure* MCT** are DNase, RNase and Pyrogen-free and withstand up to 20.000g.

**EXPellPlus *Secure* Low-Retention Microcentrifuge Tubes** offer a superior smooth inner surface, minimising sample binding.

### EXPell *Secure* Black Microcentrifuge Tubes

With a special focus on processing light-sensitive samples, **CAPP** has developed **EXPell *Secure* Black Microcentrifuge Tubes**. The black tubes are available in one size (1.5mL) and come bulk packed in bags of 500pcs. The black polypropylene compound creates a completely opaque barrier, preventing light from causing any reactions within the liquid inside the tube and making the tubes ideal for processing light-sensitive samples.

**EXPell *Secure* Black Microcentrifuge Tubes** are a great alternative to the commonly used method of wrapping the tube in aluminum foil in order to protect the samples from light impact. **EXPell *Secure* Black Microcentrifuge Tubes** are suitable for applications requiring photo-sensitive, fluorescent or ethidium bromide probes. Unlike amber tinted tubes, they are completely opaque and protect even the most light-sensitive samples.



## Ordering Information

Cat. No.	Description
5100500C	Expell Microcentrifuge tubes 0.5mL, bulk, 10x1000 pcs.
5001500C	ExpellPlus Microcentrifuge tubes 1.5mL, bulk, low retention, 20x500 pcs.
5101500C	ExpellSecure Microcentrifuge tubes 1.5mL, bag, 20x500 pcs.
5101501C	Expell Microcentrifuge tubes 1.5mL, bag, 20x500 pcs.
5101590C	ExpellSecure Microcentrifuge tubes 1.5mL, bulk, assorted colours, 20x500 pcs. (magenta, blue, yellow, green, orange)
5101550C	ExpellSecure Microcentrifuge tubes 1.5mL, bulk, black, 20x500 pcs.
5102000C	ExpellSecure Microcentrifuge tubes 2.0mL, bag, 16x500 pcs.
5102001C	Expell Microcentrifuge tubes 2.0mL, bag, 10x500 pcs.

CONSUMABLES

# EXPELL PCR

PCR MICROTUBES, STRIPS & PLATES  
OF 0.2 ML (REGULAR PROFILE)

Reliable results with **CAPP EXPELL PCR** consumables.

**CAPP** offers a wide range of 0.2mL PCR tubes, strips and plates to cover all your PCR consumables needs. All products are made of medical grade virgin polypropylene and are free of DNA, DNase, RNase, PCR Inhibitors, ATP and Endotoxin. All products are suitable for standard as well as Real Time PCR routines.

The **EXPELL Plus PCR** of 0.2mL microtubes, strips and plates feature a linear and ultrathin wall geometry for consistent heat transfer and an evaporation rate below 5%, ensuring both reliable and reproducible results.

The **EXPELL Plus PCR** line of 0.2mL microtubes and plates offer enhanced quality benefits, such as the super-soft and zero-charged PP grade, which enables a more comfortable handling (i.e. cap open and closure) and low binding of sensitive PCR samples, such as DNA or proteins.

**CAPP** also provides a variety of sealing adhesives for optimal closure of the plates and other accessories. Please refer to the ordering information.



5100200C



5100201C



5100205C



5100210C



5100212C



5100217C



5100218C



5100213C



5100219C



5100214C



5100220C



5100221C



5100216C



# Ordering Information

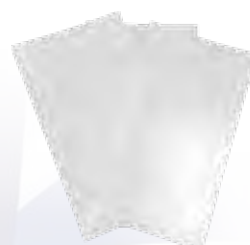
Cat. No.	Description
5100200C	ExpellPlus PCR tubes 0.2mL, bag, 20x1000 pcs.
5100201C	Expell PCR tubes 0.2mL, bag, 20x1000 pcs.
5100205C	Expell PCR tubes 0.2mL, bag, pre-sterile 20x1000 pcs.
5100210C	Expell PCR 8-strip and separate flat caps 0,2mL, 5x10x12 pcs.
5100212C	Expell PCR 8-strip w/ single attached flat caps 0,2mL, 5x10x12 pcs.
5100217C	Expell PCR 8-strip and separate optical caps 0,2mL, 5x10x12 pcs.
5100218C	Expell PCR 8-strip, white, and separate optical caps 0,2mL, 5x10x12 pcs.
5100213C	ExpellPlus PCR 96-well plate, clear, non-skirted, 0.2mL, 8x25 pcs.
5100219C	Expell PCR 96-well plate, clear, non-skirted, 0.2mL, 5x5x10 pcs.
5100214C	ExpellPlus PCR 96-well plate, frosted, sub-skirted, 0.2mL, 8x25 pcs.
5100220C	Expell PCR 96-well plate, clear, sub-skirted, 0.2mL, 5x5x10 pcs.
5100221C	Expell PCR 96-well plate, clear, semi-skirted, 0.2mL, 5x5x10 pcs.
5100216C	ExpellPlus PCR 96-well plate, clear, fully skirted, 0.1 /0.2mL, 8x25 pcs.



5100401C



5100400C



5100402C



5100403C

## Sealing membranes and accessories for PCR and qPCR consumables

Cat. No.	Description
5100401C	Expell PCR 96-well plate sealing membrane, sticky adhesive, 10x10 pcs.
5100400C	Expell PCR 96-well optical sealing membrane, non-sticky adhesive, 10x10 pcs. (similar to ABI 4311971)
5100402C	Expell PCR 96-well optical sealing membrane, sticky adhesive, 10x10 pcs. (similar to Bio-Rad MSB-1001)
5100403C	Expell PCR 96-well aluminum sealing membrane, sticky adhesive, 10x10 pcs.
5100450C	Disposable shell frame grid 96 x 0.2mL for ABI cycler, 8x24 pcs.
5100451C	Rigid shell frame grid 96 x 0.2mL for ABI cycler, 1 pc.
5100452C	Tube and 8-strip decapping tool, 15x 1 pcs.

# EXpell PCR

PCR MICROTUBES, STRIPS & PLATES  
OF 0.1ML (LOW PROFILE)

Reliable results with **CAPP EXpell PCR** consumables

**CAPP** offers a wide range of 0.1mL PCR tubes, strips and plates to cover all your PCR consumables needs. All products are made of medical grade virgin polypropylene and are free of DNA, DNase, RNase, PCR Inhibitors, ATP and Endotoxin. All products are suitable for standard as well as Real Time PCR routines.

The **EXpell PCR** of 0.1mL microtubes, strips and plates feature a linear and ultrathin wall geometry for consistent heat transfer and an evaporation rate below 5%, ensuring both reliable and reproducible results.

The **EXpell Plus PCR** line of 0.1mL microtubes and plates offer enhanced quality benefits, such as the super-soft and zero-charged PP grade, which enables a more comfortable handling (i.e. cap open and closure) and low binding of sensitive PCR samples, such as DNA or proteins.

**CAPP** also provides a variety of sealing adhesives for optimal closure of the plates and other accessories. Please refer to the ordering information.



5100300C



5100310C



5100312C



5100311C



5100316C



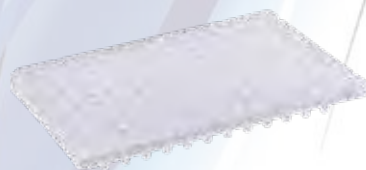
5100313C



5100314C



5100317C



5100318C



5100315C



5100319C

# Ordering Information

Cat. No.	Description
5100300C	ExpellPlus PCR tubes 0.1mL, bag, 20x1000 pcs.
5100310C	Expell PCR 8-strip and separate optical caps 0,1mL, 5x10x12 pcs.
5100312C	Expell PCR 8-strip, bottom detection, separate optical caps 0,1mL, 5x10x12 pcs.
5100311C	ExpellPlus PCR 8-strip w/ single attached caps 0,1mL, 8x120 pcs.
5100316C	Expell PCR 8-strip, white, separate optical caps 0,1mL, 5x10x12 pcs.
5100313C	ExpellPlus PCR 96-well plate, non-skirted, 0.1mL, 8x 25 pcs.
5100314C	ExpellPlus PCR 96-well plate white, semi-skirted, 0.1mL, 8x 25 pcs.
5100317C	Expell PCR 96-well plate, white, semi-skirted, 0.1mL, 5x5x10 pcs.
5100318C	Expell PCR 96-well plate, frosted, semi-skirted, 0.1mL, 5x5x10 pcs.
5100315C	ExpellPlus PCR 96-well plate, frosted, sub-skirted, 0.1mL, 8x25 pcs.
5100319C	Expell PCR 96-well plate, frosted, sub-skirted, 0.1mL, 5x5x10 pcs.,



5100401C



5100400C



5100402C



5100403C

## Sealing membranes and accessories for PCR and qPCR consumables

Cat. No.	Description
5100401C	Expell PCR 96-well plate sealing membrane, sticky adhesive, 10x10 pcs.
5100400C	Expell PCR 96-well optical sealing membrane, non-sticky adhesive, 10x10 pcs. (similar to ABI 4311971)
5100402C	Expell PCR 96-well optical sealing membrane, sticky adhesive, 10x10 pcs. (similar to Bio-Rad MSB-1001)
5100403C	Expell PCR 96-well aluminum sealing membrane, sticky adhesive, 10x10 pcs.
5100450C	Disposable shell frame grid 96 x 0.2mL for ABI cycler, 8x24 pcs.
5100451C	Rigid shell frame grid 96 x 0.2mL for ABI cycler, 1 pc.
5100452C	Tube and 8-strip decapping tool, 15x 1 pcs.

# CAPP *Rondo*

## Benchtop Equipment

**CAPP *Rondo* Benchtop Equipment** is a unique line of instruments, including multiple centrifuges and mixing equipment. The elegant design and the original, fresh red colour bring life and contrast to any laboratory environment.

**CAPP *Rondo* Benchtop Equipment** have impressive user-friendly and user-safety features. Every instrument is extremely robust and designed for extended runs. You will be surprised how quiet they are - even when running at maximum speed! Having an impressively small footprint they are designed to minimise the amount of benchtop space needed.

All products focus on increased user-safety. The electronic safety brake system prevents the lid from opening under full operation, and the robust suction pads at the bottom of the equipment ensure safe and stable operation.

Motor-driven **CAPP *Rondo*** instruments use brushless DC motors, which are maintenance-free and ideal for extended runs.

**CAPP *Rondo* Benchtop Equipment** are designed with the best possible user experience in focus; with large displays and intuitive interfaces which increase work comfort.

All **CAPP *Rondo* Benchtop Equipment** are covered by a 2 years' warranty.



# CAPP Rondo

MINI INCUBATOR WITH COOLING



## Specifications:

Temperature Range	15° C below ambient, up to 60° C
Temperature Accuracy	0.5°C (at 37°C)
Temperature Uniformity	+/- 1.5°C (at 37°C)
Temperature Increments	=/- 1°C
Dimensions	337x370x475 mm
Weight	15lbs (6.5kg)
Electrical	100-240V, 50-60Hz

## Ordering Information

Cat No.	Description
CR-MI1	Digital Mini Incubator with heating and cooling (15° C below ambient, up to 60° C)

The **CAPP Rondo Mini Incubator** is a compact, multifunctional device that will be an excellent addition to any laboratory.

Featuring built-in digital temperature control and a wide thermal range (15° C below ambient, up to 60°C), the **CAPP Rondo Mini Incubator** is more than capable of meeting daily heating and cooling tasks.

### Features:

- A microprocessor controlled thermal system allows operators to set their desired temperature once on an intuitive control panel
- A large LED display shows the temperature of the internal chamber in real time
  - With a small footprint of only 13 x 14.5" the **CAPP Rondo Mini Incubator** comfortably fits on most laboratory workbenches.
- At just 6.5 kg, the **CAPP Rondo Mini Incubator** can be conveniently moved from one workstation to another.
- With a volume of 25L and a large internal chamber, the **CAPP Rondo Mini Incubator** has a generous loading capacity that fits 2L bottles.
  - A bright light fixture allows easy viewing of all items in the internal chamber.
  - An internal power outlet can power small instruments such as small shakers, rockers, rollers, or other similar instruments.

## MINI VORTEX MIXER



**CAPP Rondo Mini Vortex Mixer** offers the ideal solution for thorough mixing and quick vortexing, with high performance in speed, reliability and safety.

### Speed:

- With 4.5mm orbital motion and speeds of up to 4.500 RPM, it instantly vortexes tubes and vials up to 30mm diameter
  - Highly touch-sensitive switch ensures real-time mixing
    - Variable speed can be adjusted simply by turning the speed control button
  - Microprocessor-controlled, delivering the maximum speed even under varying load conditions

### Reliability:

- Suspension design for longer switch life
- Two year manufacturer's warranty for parts and labour
- Low-profile with small footprint - ideal for use on laboratory benches
- Well-balanced design, supplied with three anti-sliding feet to help the instrument to remain stable
- In-built counterbalance system creates maximum vortexing action, while minimising noise and excessive vibration

### Safety:

- Brushless DC motor for safety, quick acceleration and low maintenance
  - Ideal for cold rooms and incubators
  - Maintains set speed between 4-40°C
- Chemically-resistant PC ABS molded exterior
- Robust design with aluminium die-cast base

### Specifications:

Technical Data	Motion	Orbital	
	Speed Range (RPM)	Up to 4.500	
	Orbital Diameter	4.5mm	
	Operating Mode	Touch	
	Max tube diameter	30mm	
	Power Supply	Universal (90 to 230V, 50/60 Hz.)	
	Motor	Brushless DC motor	
	Max. Load Capacity	500 gm	
	Permissible ambient temperature	5 - 40 °C	
	Permissible relative moisture	80%	
General Data	Material	Body	PC ABS
		Platform	Die Cast
	Dimension (WxDxH)	100x100x67mm	
	Net Weight (kg / lbs)	0.55 / 1.21	
	Power Consumption	15 W	
Protection Class (DIN EN 60529)	IP 43		

## Ordering Information

Cat. No.	Description
CRV-45X	CAPPRondo Vortex Mixer 4.500 RPM w/ adjust. speed

# CAPP Rondo

## VORTEX MIXER

The **CAPP Rondo Vortex Mixer** is an essential piece of equipment for everyday mixing operations in any laboratory.

Thanks to the brushless DC motor, **CAPP Rondo Vortex Mixer** is maintenance-free and ideal for extended runs. Its adjustable speed operation ranges from 300 to 3.000 RPM, providing thorough mixing and quick vortexing, and enabling high performance in terms of speed, reliability and safety.

The timer setting and clear digital display enable comfortable work and full control of your vortexing process.

**CAPP Rondo Vortex Mixer** is chemically resistant and has a robust design, ensuring long-term use. The in-built counterbalance prevents it from 'walking on the bench' and the microprocessor control provides ultimate efficiency.

**CAPP Rondo Vortex Mixer** can be activated either by touch or via the continuous vortexing mode. It vortexes with a 4mm orbital diameter and has a maximum loading capacity of 1kg.

The unique programmable pulse mode of **CAPP Rondo Vortex Mixer** increases its mixing efficiency.

**CAPP Rondo Vortex Mixer** comes with a conical tube attachment. A round disk attachment with base is also available as an accessory.



### Specifications:

Speed Setting	300 - 3.000 RPM
Orbital Diameter	4mm
Motor Type	Brushless DC
Digital Display	Yes
Dimensions (WxDxH)	200x225x107mm
Timer Setting	0-999 mins and continuous
Pulse Mode	Yes, Programmable
Max. Load Capacity	500g
Weight	4kg

## Ordering Information

Cat. No.	Description
CRV-30XC	CAPP Rondo Vortex Mixer 3.000 RPM w/ adjust. speed, timer and continuous mode
CRV-30XC-RA	Round disc attachment with base for CRV-30XC CAPP Rondo Vortex Mixer

# CAPP Rondo

## MICROCENTRIFUGE

**CAPP Rondo Microcentrifuge** has a lot more to offer compared to the basic microcentrifuges available on the market.

It is available in two options. Firstly is the CR-68, which is the basic version, with a fixed speed of 6.000 RPM/2.000 x g. Secondly is the CR-68X, which is the advanced version, with programmable speeds of up to 6.000 RPM/2.000g and a timer function, all operated by two buttons and a clear digital display.

### Additional features and benefits include:

- Additional PCR strip rotor (2 x 8 x 0.2mL) and reduction adaptors for 0.2/0.4mL microtubes supplied with the product
- Electronic safety brake provides an immediate stop upon opening the lid
  - 8 slot closed rotor for quiet and powerful operation
- Quick operation by simply closing and opening the lid
- Digital display of speed and timer function (CR-68X)
  - Imbalance cut-off safety feature (CR-68X)
  - Digital calibration function (CR-68X)

### CR-68 Specifications:

Motor Type	DC motor
Rotor Capacity	8 x 1.5/2.0mL & 2-place PCR strip rotor
Speed	2000-6000 RPM 2000 x g (MAX RCF)
Time	No
Dimensions (W x D x H)	162 x 157 x 116 mm
Weight	1.1kg

### CR-68X Specifications:

Motor Type	Brushless DC motor
Rotor Capacity	8 x 1.5/2.0mL & 2-place PCR strip rotor
Speed	2000-6000 RPM 2000 x g (MAX RCF)
Speed Accuracy	± 25 RPM
Time	0 to 25 mins & infinite
Dimensions (W x D x H)	162 x 157 x 116 mm
Weight	1.1kg



## Ordering Information

Cat. No.	Description
CR-68	CAPPRondo Microcentrifuge 6.000 RPM/2.000g
CR-68X	CAPPRondo Microcentrifuge w/ adjustable speed and timer function, max. 6.000 RPM/2.000g



# CAPP Rondo

## HIGH SPEED MINI-CENTRIFUGE

**CAPP Rondo Mini-centrifuge** is designed to be an easy-to-use, high performance mini-centrifuge in a modern and attractive form, equipped with maintenance-free drive. It accelerates up to twelve 1.5/2.0mL mini-centrifuge tubes to a maximum speed of 15.000 RPM (RCF: 15.595 x g), enabling the user to process samples rapidly. Routine runs, such as spin column preparations, can be carried out with minimal time and effort. This compact centrifuge is also cold room and fume hood compatible.

### Features and benefits include:

- Lid lock safety and imbalance detection features ensure utmost safety during operation
- Unique airflow design: ensures less heat generation and lower noise levels
- Adaptors are provided for 0.2 and 0.4/0.5mL tubes - optional 2 x 8 x 0.2mL strip rotors
- Quick and convenient setting because of intuitive simple interface
- Multiple parameters are displayed at a time on the large back-lit LCD display
- Memory for up to 99 programs - operation records are saved in Excel sheet
- Aluminum rotor, with capacity of 12 tubes of 1.5 or 2mL, and screw-on metal lid
- Brushless DC motor is maintenance-free and fit for extended runs
- Last run memory feature



### Specifications:

Speed setting	500 to 15.000 RPM / Min-Sec timer 1 to 999 mins
Maximum speed RPM / RCF (g)	15.000 RPM / 15.596 x g
Display	Large Backlit LCD display
Rotor Capacity	12 place aluminium rotor with metal safety lid for 1.5/2.0mL microtubes
Motor Type	Brushless DC
Noise Level	< 62 db
Imbalance Detection	Yes
Remote Operation	Yes
Lid Lock Safety	Yes, lid opens automatically on run completion
Dimensions (W x D x H)	230 x 262 x 131mm
Accessories	Reduction Adaptors for 0.2/0.4mL microtubes

## Ordering Information

Cat. No.	Description
CR-1512	CAPPRondo Mini-centrifuge 15.000 RPM/15.595g, for 12x 1.5-2.0mL tubes
CR-15-PCR	PCR strip rotor for CAPPRondo CR-1512 w/ reduction adaptors, 1 pc.

# CAPP Rondo

## UNIVERSAL CENTRIFUGE

**CAPP Rondo Universal Centrifuge** has been developed after much research of user feedback and expectations. Occupying a minimal amount of bench space, it offers powerful and efficient centrifugation whilst maintaining a high performance over a long time of use.

The wide range of rotor options guarantee the most versatile scope of application. The extremely user-friendly interface enables you to program the device according to your specific needs. The brushless DC motor technology sustains durability and high performance over many years of use.

**CAPP Rondo Universal Centrifuge** operates with adjustable speeds ranging from 500 to 4.500 RPM. It has multiple rotor options - with both swing-out and fixed-angle rotors. It is equipped with a large digital display which visualises multiple parameters in the clearest, most comfortable way.

Nine acceleration and nine deceleration modes enable you to start and stop the device without disturbing any fragile samples.

Additionally, **CAPP Rondo Universal Centrifuge** has an adjustable timer which can be set from 1 to 999 minutes; or the infinite centrifugation mode which is without any time limitation. User safety is increased thanks to the electronic imbalance detection feature, which is activated by any uneven loading of samples.

This centrifuge features a Lid Lock Safety Break, ensuring that the lid remains closed until the rotor has fully stopped its operation. The Emergency Lid Release enables you to open the device once any electricity supply has been removed.

To ensure the ultimate centrifugation performance, **CAPP Rondo Universal Centrifuge** offers a short spin feature for ultra-short centrifugation and pelleting. The stainless-steel chamber rotor is fully corrosion-free and extremely easy to clean.

**CAPP Rondo Universal Centrifuge** has an intelligently designed airflow system, which prevents any increase in sample temperature. It has a low-height design, which enables easy loading and unloading of samples.



### Specifications:

Speed Range	500 - 4.500 RPM / (g) varies per rotor type
Motor Type	Brushless DC motor (BLDC)
Remote Operation	Yes, via USB
Display	Yes, large LED Display
Timer Setting	from 1 to 999 mins or infinite mode
Programmable	Yes, up to 99 programs
Imbalance Detection	Yes
Rotors (optional)	Multiple rotor options (swing-out and fixed-angle rotors)
Dimensions (WxDxH)	595 x 436 x 311mm
Weight	23kg (without rotor)

**CR-43-100**

4 x 100mL swing rotor with Bio Safety Cap, RCF 3164 x g

**CR-43-50**

6 x 50mL swing rotor with SS tubes, RCF 3530 x g

**CR-43-15**

16 x 15mL swing rotor with SS tubes, RCF 3485 x g

**CR-43-PL**

2 x microplates swing rotor, RCF 2355 x g

**CR-43-50F**

6 x 50mL fixed-angle rotor, RCF 2644 x g

**CR-43-100F**

4 x 100mL fixed-angle rotor, RCF 2559 x g

**CR-43-15F-24**

24 x 15mL fixed-angle rotor, RCF 2852 x g

**CR-43-15F-16**

16 x 15mL fixed-angle rotor, RCF 3144 x g

**CR-43-15F-30**

30 x 15mL fixed-angle rotor, RCF 2729 x g

**CR-43-10**

32 x 10mL swing rotor, RCF 3164 x g

## Ordering Information

Cat No.	Description
CR-432X	CAPPRondo Universal Centrifuge (up to 4 x 100mL)
<b>Rotor options:</b>	
CR-43-100	4 x 100mL swing rotor with Bio Safety Cap, RCF 3164 x g
CR-43-50	6 x 50mL swing rotor with stainless steel tubes, RCF 3530 x g
CR-43-15	16 x 15mL swing rotor with stainless steel tubes, RCF 3485 x g
CR-43-PL	2 x Microplates swing rotor, RCF 2355 x g
CR-43-100F	4 x 100mL fixed-angle rotor, RCF 2559 x g
CR-43-50F	6 x 50mL fixed-angle rotor, RCF 2644 x g
CR-43-15F-24	24 x 15mL fixed-angle rotor, RCF 2852 x g
CR-43-15F-16	16 x 15mL fixed-angle rotor, RCF 3144 x g
CR-43-15F-30	30 x 15mL fixed-angle rotor, RCF 2729 x g
CR-43-10	32 x 10mL swing rotor, RCF 3164 x g (includes 32 x 10mL stainless steel tubes + 32 x 10mL rubber adapters for tube diameter 13x length 100mm + 32 x adapters for tube dia. 13x length 75mm)

Important note: Each rotor has a range of optional tube adaptors.

Go to: [www.CAPP.dk/product/CAPPRondo-universal-centrifuge](http://www.CAPP.dk/product/CAPPRondo-universal-centrifuge) to see the full overview of all adaptors available.

# CAPP Rondo

## HIGH SPEED REFRIGERATED CENTRIFUGE



### CAPP Rondo High Speed Refrigerated Centrifuge

operates to a maximum speed of 17.000 RPM, corresponding to 27.237 x g. It's an ideal centrifuge for molecular and cellular applications, such as ethanol precipitation, phenol extraction, NA preparation, cell collection or spin-down of temperature-sensitive reaction mixtures.

### CAPP Rondo High Speed Refrigerated Centrifuge

offers a maximum rotor capacity of 30 microtubes (18 microfilter tubes or 64 PCR tubes). Its operating temperature range is from -20°C to +40°C. The samples are cooled down to the temperature of 4°C in just 5 minutes. The chamber is rust-free and Teflon-coated. The compressor-off function prevents any unnecessary cooling and frosting while the lid is open.

As with all CAPP Rondo instruments, the **High Speed Refrigerated Centrifuge** offers quiet operation, keeping the noise level at only 56 dB. The parameters can be changed upon operation unless the Key Lock Function is activated.

**CAPP Rondo High Speed Refrigerated Centrifuge** offers multiple rotor options.

### Specifications:

Max. RPM / Fixed angle	17.000 RPM	Program memory	100
Max. RCF / Fixed angle	27.237 x g	Parameters on display window	RPM(RCF), Operating Status, Door Open/Close, Min:Sec, Temp, (ACC), (DEC)
Max. capacity / Fixed angle	30 x 1.5 / 2.0mL, 8 PCR strips	Display	Blue LCD
Max. capacity / Swing-out	4 x 4 x 1.5 / 2.0mL	Rotor Identification	Automatic
Temp range (°C)	-20°C to +40°C	Imbalance cutout	Yes
FAST cool button	Yes	Safety lid lock	Yes
Time control	Pulse, timed <100 min, or continuous	Lid drop protection	Yes
Time counting range	Selectable, at set speed or from starting	CE Mark	Yes
RCF/RPM conversion	Yes	Power supply (V/Hz)	200V / 50~60Hz (110V optional)
Noise level	≤56 dB (dependent on rotor)	Power requirement (VA)	2KVA
Acc. time to max. speed	≤17 sec	Dimension (W x D x H)	310 x 620 x 265mm
Dec. time from max. speed	≤15 sec	Weight without rotor	43kg
ACC/DEC ramps	9/10		

**CR-17-24**

Fixed angle rotor of CR-1730R for 24 x 1.5mL / 2.0mL microtubes. 45°, Hole diameter 11.1mm, Max. height for tube fit 52mm. Supplied with O-ring sealed.

**CR-17-5**

Fixed angle rotor of CR-1730R for 12 x 5mL for screw and snap cap microtubes. 45°, Hole diameter 17mm, Max. height for tube fit 64mm. Supplied with O-ring sealed.

**CR-17-30**

Fixed angle rotor of CR-1730R for 30 x 1.5mL / 2.0mL microtubes. 45°, Hole diameter 11.1mm, Max. height for tube fit 52mm. Supplied with O-ring sealed.

**CR-17-PCR**

Fixed angle PCR-tube Rotor of CR-1730R for 64 x 0.2µL PCR tubes or 8 rows of PCR strips. 45°, Hole diameter 6.5mm, Max height for tube fit 16mm.

**CR-17-D8**

Drum Rotor of CR-1730R for 8 x 1.5mL / 2.0mL microtubes (buckets are not included) 90°, Hole diameter 11.1mm, Max. height for tube fit 50mm.

**CR-17-18**

Fixed angle rotor of CR-1730R for 18 x 1.5mL / 2.0mL microfilter tubes. 45°, Hole diameter 11.1mm, Max. height for tube fit 65mm. Supplied with O-ring sealed.

**CR-17-D16**

Drum Rotor of CR-1730R for 16 x 1.5mL / 2.0mL microtubes (buckets are not included) 90°, Hole diameter 11.1mm, Max. height for tube fit 43mm.



# Ordering Information

## Refrigerated Centrifuge

Cat No.	Description
CR-1730R	CAPPRondo Refrigerated Centrifuge 17.000 RPM / 27.237 x g, 220V
CR-1730R-110	CAPPRondo Refrigerated Centrifuge 17.000 RPM / 27.237 x g, 110V

## Rotors and accessories for CR-1730R

CR-17-24	Fixed angle rotor of CR-1730R for 24 1.5mL / 2.0mL microtubes
CR-17-30	Fixed angle rotor of CR-1730R for 30 1.5mL / 2.0mL microtubes
CR-17-18	Fixed angle rotor of CR-1730R for 18 microfilter tubes
CR-17-5	Fixed angle rotor of CR-1730R for 12 x 5mL screw and snap cap microtubes
CR-17-PCR	Fixed angle PCR-tube Rotor of CR-1730R for 64 PCR tubes or 8 rows of PCR strips
CR-17-D8	Drum Rotor of CR-1730R for 8 microtubes (buckets are not included)
CR-17-D16	Drum Rotor of CR-1730R for 16 microtubes (buckets are not included)

## Buckets for the Rotors of CR-1730R

CR-17-B8	Single tube bucket Drum Rotor CR-17-D8 (total 8 buckets are required)
CR-17-B16	4-tube bucket Drum Rotor CR-17-D16 (total 4 buckets are required)

## Buckets for the Rotors of CR-1730R

CR-17-02	0.2mL adaptor of microtube rotors
CR-17-05	0.5mL adaptor of microtube rotors

# CAPP Rondo

CLINICAL CENTRIFUGE

**CAPP Rondo Clinical Centrifuge** is a compact and reliable low-speed centrifuge, ideal for blood centrifuge applications involving volumes below 15mL. It stands out in its category for having great features that ensure an easy-to-use, reliable, safe performance.



#### Ease of use:

- Rotor capacity of up to 8 x 15mL tubes on a fixed-angle rotor
  - Adaptors included allow usage with most standard collection tubes: 5mL, 7mL, 10mL and 1.5mL / 2.0mL
    - Large digital display
    - Timer setting of 0.5 to 30 minutes
- Only one click to change from RPM to RCF

#### Reliable performance:

- Smart airflow design reduces noise
- Precise RPM setting with increments from 100 RPM and setting from 500-6.500 RPM
- Built with a long-life DC motor and a microprocessor

#### Safety:

- Automatic imbalance detection
- Lid lock safety: lid opens automatically after the operation is completed

#### Specifications:

Maximum Speed RPM / RCF (g)	6.500 RPM / 3.873 x g
Speed Setting	500 to 6.500 RPM (increments of 100 RPM)
Timer Setting	0.5 to 30 minutes or infinite mode
Imbalance Detection	Yes
Dimensions	260 x 244 x 205mm
Noise Level	< 60 dB
Weight	4kg
Rotors And Adaptors Included	8 x 10/15mL, adaptors for 5mL, 7mL, 1.5mL and 2mL tubes

## Ordering Information

Cat. No.	Description
CRC-658	CAPPRondo Clinical Centrifuge 6.500 RPM / 3.873 x g for 8 x 15mL

# CAPP Rondo

## CLINICAL CENTRIFUGE

**CAPP Rondo Clinical Centrifuge** has a maximum speed of 4.000 RPM. Three types of rotor are available: two fixed-angle rotors for 8 x 15mL or 16 x 10mL tubes and a swing-out rotor with a capacity of 6 x 10mL tubes.

Following **CAPP's** technology, the centrifuge is equipped with a robust brushless DC motor, which is ideally suited for extended runs and provides a maintenance-free, long-lasting and quiet operation.

**CAPP Rondo Clinical Centrifuge** offers variable speed settings with precise increments of 10 RPM, starting from 500 up to a maximum centrifugal speed of 4.000 RPM.

With user safety in focus, **CAPP Rondo Clinical Centrifuge** has been equipped with a safety lid brake, preventing the lid from opening until the rotor has completely stopped.

The compact design and low loading height enable easy, efficient operation. The user can program up to 99 individual protocols and access the short spin function by a single touch on the operational panel.

**CAPP Rondo Clinical Centrifuge** is supplied with multiple tube adaptors for 2mL, 3mL, 4mL, 6mL and 9mL tubes.

### Specifications:

Rotor Types (optional)	6x10mL (swing-out) / 8x15mL (fixed-angle) / 16x10mL (fixed-angle)	
Max. Speed	4.000 RPM / 2.270 x g (swing-out rotor)	
Speed Settings	500-4.000 RPM in steps of 10 RPM	
Timer Settings	1-999 minutes or infinite mode	
Programmable Features	Up to 99 user-defined protocols	
Lid Lock Safety	Yes	
Imbalance Detection	Yes	
Dimensions (LxWxH)	415x355x173mm	
Weight	7.7kg (without rotor)	
Adaptors included	For rotor CRC-4-6S	8mL, 9mL, 10mL tube adaptor - 6 pcs. of each 6mL sleeve - 6 pcs. 2mL, 3mL, 4mL tube adaptor - 6 pcs. of each 2mL, 3mL, 4mL sleeve - 6 pcs.
	For rotor CRC-4-8	Tube spacer 2mL, 3mL, 4mL - 8 pcs. of each Tube sleeve for 6mL - 8 pcs
	For rotor CRC-4-16	Tube sleeve for 9mL, 10mL - 16 pcs. of each Tube sleeve for 6mL - 16 pcs. Tube spacer 2mL, 3mL, 4mL - 16 pcs. of each

## Ordering Information

Cat No.	Description
CRC-416X	CAPPRondo Clinical Centrifuge 4.000 RPM
CRC-4-8	Fixed angle rotor of CRC-416X for 8x15mL tubes
CRC-4-16	Fixed angle rotor of CRC-416X for 16x10mL tubes
CRC-4-6S	Swing-out rotor of CRC-416X for 6x10mL tubes

CAPPRondo Clinical Centrifuge 4.000 RPM, CRC-416X, is designed for processing blood and other clinical samples in applications like PRP, medical practitioners, pathological laboratories, as well as for routine hospital centrifuging test. In particular it is used for processing and analysing samples from human body in in vitro diagnostic applications to ensure that in vitro diagnostic device can be used according to Directive 98/79/EC. Therefore CAPPRondo Clinical Centrifuge 4.000 RPM, CRC-416X, and its accessories being in-vitro diagnostic accessories are themselves in-vitro diagnostic medical devices within the meaning of directive 98/79/EC of the European Parliament and of the Council of 27 October 1998 on in-vitro diagnostic medical devices.



# CAPP Rondo

## TUBE ROLLER

**CAPP Rondo Tube Roller** ensures efficient mixing of blood samples, viscous substances and liquid-solid suspensions. The programmable pulse mode feature with *Run-Pause-Run* motion and variable time setting from 30 to 99 seconds, give the user additional flexibility and improve the mixing process.

Apart from the rolling motion, an additional rocking movement has been applied to the rollers to ensure optimal thorough mixing. Equipped with a brushless DC motor, **CAPP Rondo Tube Roller** provides quiet and maintenance-free operation, highly suitable for extended runs.

**CAPP Rondo Tube Roller** can accommodate up to 15 blood tubes of 7mL. The user interface panel is highly intuitive and displays both the time and speed. **CAPP Rondo Tube Roller** operates at speeds ranging from 10 up to 80 RPM. The user can program up to 9 customised protocols.

With increased user comfort and a low contamination risk in focus, **CAPP Rondo Tube Roller** has easily removable and autoclavable rollers. The stackable design and relatively small footprint will optimise your bench space.

**CAPP Rondo Tube Roller** is also suitable for use in incubators in temperatures up to 40°C and humidity up to 80%.



### Specifications:

Motor Type	Brushless DC motor
Motion	Rocking and rolling
Number Of Tubes	Up to 15 x 7mL blood tubes
Speed Range	10 to 80 RPM
Time Range	1 to 99 mins
Programmable Range	9 user-defined programs
Operation Type	Continuous and timed operation
Removable Rollers	Yes, tool free removal and fitting
Pulse Mode	Yes (Run-Pause-Run mode)
Tilt Angle	+/-3°
Protection Class	IP21
Weight	6kg
Load Capacity	2kg
Dimensions (W X D X H)	502mm x 92.5mm x 301mm
Warranty	2 years

## Ordering Information

Cat. No.	Description
CRR-08X	CAPPRondo Tube Roller 80 RPM



# CAPP Rondo

TUBE ROTATOR



**CAPP Rondo Tube Rotator** has a strong, metal design which, along with the rubber feet, ensures its total stability during operation.

The compact design uses a minimal amount of benchtop space.

The gentle but effective mixing occurs at a fixed speed of 30 RPM with an accuracy of +/- 2 RPM.

**CAPP Rondo Tube Rotator** has a maximum capacity of 16 tubes, consisting of 4 ESR and 12 blood collection tubes. Its maximum operational weight capacity is 1.5kg. The disc plate is fixed at an angle of 38 degrees and is easily removed for cleaning or replacement.

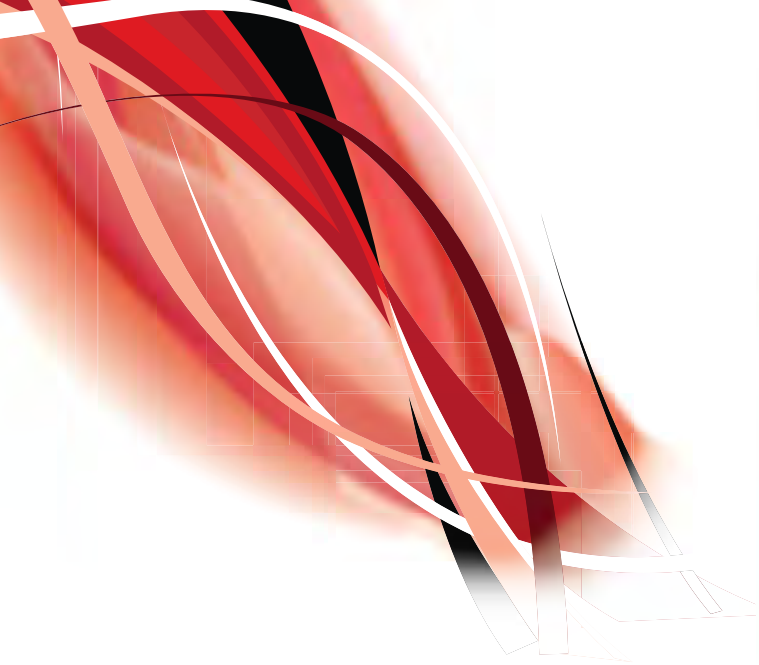
**CAPP Rondo Tube Rotator** operates silently in the continuous mode.

## Specifications:

Max Capacity	16 Tubes (4 ESR Tubes and 12 Blood Collection Tubes)
Motor Type	AC Synchronous
Speed	Fixed Speed of 30 RPM
Operation Mode	Continuous / Infinite
Speed Accuracy	+/- 2 RPM
Angle Of Disc Plate	Fixed angle of 38 degrees
Noise Level	Noiseless operation
Load Capacity	1.5kg
Dimensions	278x183x252mm
Protection Class	IP 21

## Ordering Information

Cat No.	Description
CRR-0316	CAPPRondo Tube Rotator for 16 blood tubes
CRR-0316-110	CAPPRondo Tube Rotator for 16 blood tubes, 110V



# CAPP *Rondo*

## SINGLE PLATE SHAKER

The **CAPP *Rondo* Plate Shaker** is an ideal choice of microplate shaker for any test environment. With a tiny footprint, as small as the 96-plate size, the shaker is microprocessor-controlled for higher accuracy. The in-built counterbalance ensures a stable, quiet and long life operation.

### Highlights:

- Comes with interchangeable clamps that provide universal fitting for different microplates
- Provided with an accessory tube platform to accommodate 20 microtubes of 1.5/2mL
- With a wide speed setting range from 300 to 1.800 RPM and orbital motion of 2mm (1mm radius), the **CAPP *Rondo* Plate Shaker** can perform numerous applications including PCR, ELISA, enzyme immunoassays, protein synthesis and pharmaceutical profiling
- Vortexing motion thoroughly mixes each well
- Can be used inside cold rooms or fume hoods (up to 40°C)

### Specifications:

Speed Setting	300 to 1.800 RPM
Digital Display	Yes
Shaking radius	1mm
Motor Type	Brushless DC
Load Capacity	2kg
In-built Counterbalance	Yes
Power Supply	Universal (100-240V, 50/60 Hz.)
Dimensions (W x D x H)	127 x 85 x 86mm
Weight	1.36kg
Accessories	Replaceable clamps to use different types of standard microplates

## Ordering Information

Cat. No.	Description
CRP-18X	CAPPRondo plate shaker, 300 to 1.800 RPM

# CAPP Rondo

## 4-PLACE PLATE SHAKER

**CAPP Rondo 4-Place Plate Shaker** is the ideal choice for thorough, simultaneous mixing of up to four individual microplates of different types.

The 3mm orbital motion movement guarantees the ultimate mixing performance, and the brushless DC motor ensures long and maintenance-free operation, making **CAPP Rondo 4-Place Plate Shaker** the ideal device for extended runs.

### Features and Benefits Include:

- Speed range from 200 to 1.200 RPM
- Compatible with all commonly used skirted microplates
- Pulse mode for continuous mixing in clockwise and counterclockwise directions, from 30 to 90 seconds
- Rubber O-rings ensure an ultimate grip for all four plates
- Digital display gives the user an overview of the speed and time settings
- Small and compact design requires minimum benchtop space
- Effortless loading and unloading and easy access to all four plates
- Last run memory feature
- Extremely easy to clean and maintain



### Specifications:

Motor Type	BLDC motor
Orbital Motion	3mm
Number of Plates	Up to 4
Variable Speed	200 RPM to 1.200 RPM
Run Time	1 to 999 mins and infinity mode
Pulse Mode	Yes, Programmable (30 to 90 seconds)
Weight	5.4kg
Maximum Volume	4 x 384 x 60µL
In-built Counterbalance	Yes
Dimensions (L x W x H)	343 x 88 x 195mm
Digital Display	Yes
Input Voltage	24V
Attachments	Acc. All standard Skirted Microplates

## Ordering Information

Cat No.	Description
CRP-412X	CAPPRondo 4-Place Plate Shaker 1.200 RPM

# CAPP Rondo

3 D SHAKER

**CAPP Rondo 3D Shaker** operates at a variable speed range from 10 to 120 RPM. The brushless DC motor ensures stable, quiet and maintenance-free operation, which is perfectly suited for extended runs. The three-dimensional rocking and tumbling motion provides thorough homogenous mixing.

The user can save up to nine individual protocols, or use the pulse mode with *Run-Pause-Run* operation at a programmable time interval ranging from 30 to 99 seconds.

**CAPP Rondo 3D Shaker** can be programmed to run from 1 up to 999 minutes, or continuously in the *Infinite Mode*. To assure total stability on the bench it is equipped with non-slip rubber feet and comes with a spiked rubber mat. Optionally, a sticky pad mat can be ordered.

**CAPP Rondo 3D Shaker** is easy to clean and complies with Protection Class IP 21.



## Specifications:

Load Capacity	5kg
Speed Range	10-120 RPM
Motor Type	BLDC (Brushless DC motor)
Movement	Tumbling 7°
Run Time	1-999 minutes or infinite
Programmable Mode	Up to 9 user-defined protocols
Pulse Mode	<i>Run-Pause-Run</i> programmable from 30 to 99 secs.
Display	7 Segment LED
Accessories	Spiked rubber mat (included), Sticky pad mat (optional)
Plate size	350x350mm
Protection Class	IP 21

## Ordering Information

Cat No.	Description
CR3-08X	CAPPRondo 3D Shaker 5kg capacity

# CAPP Rondo

## PLATFORM SHAKER

**CAPP Rondo Platform Shaker** offers a shaking mass capacity of 7.5kg. Its orbital motion, along with the motor technology ensures thorough mixing and a long-life, maintenance-free operation, making it ideal for extended runs.

The speed settings range from 50 to 300 RPM and the time can be set up from 1 to 99 hours and 59 minutes.

**CAPP Rondo Platform Shaker** has multiple programmable modes, such as motion direction, speed, time, dwell time, sequence and loop operation. The user can program up to six individual protocols, each one with additional nine sub-protocols.

Thanks to the multiple attachments, **CAPP Rondo Platform Shaker** is universally compatible with almost all commonly used vessels.

In case of a power failure, the option of *Auto Power On* will ensure the operation runs for the remaining time after resumption.

### Specifications:

Shaking Movement	Orbital (Ø20mm) / Linear
Max. Loading Capacity	7.5kg
Speed Range	50-300 RPM
Motor Type	Brushless DC motor
Time Settings	0 to 99 hours and 59 minutes
Dimensions (WxDxH)	408x350x99mm
Platform Size	330x330mm
Protection Class	IP 21
Programmable Features	Up to 6 individual protocols, each with additional 9 sub-programs
Programmable Looping	YES
RS 232 Interface	Optional



CRP-U



CRP-D



CRP-C9-250



CRP-C9-500



CRP-F



CRP-CS9-250



CRP-CS9-500



CRP-CS-250

## Ordering Information

Cat No.	Description
CRP-3X	CAPPRondo Platform Shaker ø 20mm, with linear and orbital motion, 7.5kg capacity
CRP-U	Universal Platform with Adjustable Bars (Flask capacity 9 x 250mL, 6 x 500mL)
CRP-D	Disk Attachment Base Plate with Slip Resistance Tray
CRP-C9-250	Base Plate with 9 Plastic Clamps: 9 x 250mL
CRP-C9-500	Base Plate with 9 Plastic Clamps: 9 x 500mL
CRP-F	Funnel Attachment
CRP-CS9-250	Base Plate with 9 Stainless Steel Clamps: 9 x 250mL
CRP-CS9-500	Base Plate with 9 Stainless Steel Clamps: 9 x 500mL
CRP-CS-100	Stainless Steel Clamp for 100mL Flask
CRP-CS-150	Stainless Steel Clamp for 150mL Flask
CRP-CS-250	Stainless Steel Clamp for 250mL Flask
CRP-CS-500	Stainless Steel Clamp for 500mL Flask
CRP-CS-1000	Stainless Steel Clamp for 1000mL Flask

# CAPP Rondo

## MAGNETIC HOTPLATE STIRRER

The **CAPP Rondo Magnetic Hotplate Stirrer** has a load capacity of 10 litres and comes with a ceramic coated stainless steel plate and a powerful motor, enabling it to deliver constant speed even under varying load conditions.

**CAPP Rondo Magnetic Hotplate Stirrer** offers variable speed setting, ranging from 200 to 2,200 RPM, increasing in steps of 10 RPM. It heats the samples from the ambient temperature up to 320°C and is microprocessor-controlled for stable and reliable operation. Once the plate temperature has reached 50°C, an LED indication is illuminated.

**CAPP Rondo Magnetic Hotplate Stirrer** is programmable in terms of both speed and time. The time setting ranges from 1 to 999 minutes, and a continuous stirring mode without any time limitation can be set up. Additionally, **CAPP Rondo Magnetic Hotplate Stirrer** has a last run memory function and a *Pulse Mode* for effective mixing.

To increase user comfort, **CAPP Rondo Magnetic Hotplate Stirrer** is equipped with a large display, showing all critical parameters in a clear, visible way.

It comes with a P1000 temperature probe along with a stand. Having connected the P1000 to the stirrer, the probe temperature will appear on the display. When removing the probe, the display will switch back to its default setting, showing the plate temperature.

**CAPP Rondo Magnetic Hotplate Stirrer** is extremely compact, saving valuable space on your bench.



### Specifications:

Max. Load Capacity	10L
Speed Setting	200 - 2.200 RPM, in steps of 10 RPM
Temp. Range	from Ambient to 320°C
Time Setting	1-999 mins and continuous
Digital Display	Yes. Shows Speed/Time/Actual/Set Temp. alternately
Safe Temp. Circuit	Yes
Plate Diameter	140 mm
Weight	1.4kg
Dimensions (WxDxH)	248x156x104mm
Protection Class	IP 21
Accessories included	CRS-21H-P and CRS-21H-S
Pulse Mode	<i>Run-Pause-Run</i> . Interval of 30 seconds

## Ordering Information

Cat No.	Description
CRS-21H	CAPPRondo Magnetic Hotplate Stirrer 2200 RPM, 320°C ceramic, 10L capacity, 220V
CRS-21H-110	CAPPRondo Magnetic Hotplate Stirrer 2200 RPM, 320°C ceramic, 10L capacity, 110V
CRS-21H-P	P1000 temperature probe for CAPPRondo CRS-21H Magnetic Hotplate Stirrer
CRS-21H-S	Stand for P1000 temperature probe CAPPRondo CRS-21H Magnetic Hotplate Stirrer

# CAPP Rondo

## HOTPLATE STIRRER

The **CAPP Rondo Hotplate Stirrer** offers three heating modes: rapid, gradual and accurate heating. It operates with heating temperatures ranging from ambient to 550°C.

Its plate surface is made of robust nano-crystalline glass ceramic and ensures full resistance towards liquid splash or temperature shocks.

The **CAPP Rondo Hotplate Stirrer** operates at a variable speed ranging from 200 to 2.200 RPM. The speed can be set up in intervals of 10 RPM and the time can be programmed from 1 to 999 minutes, or continuous, infinite operation.

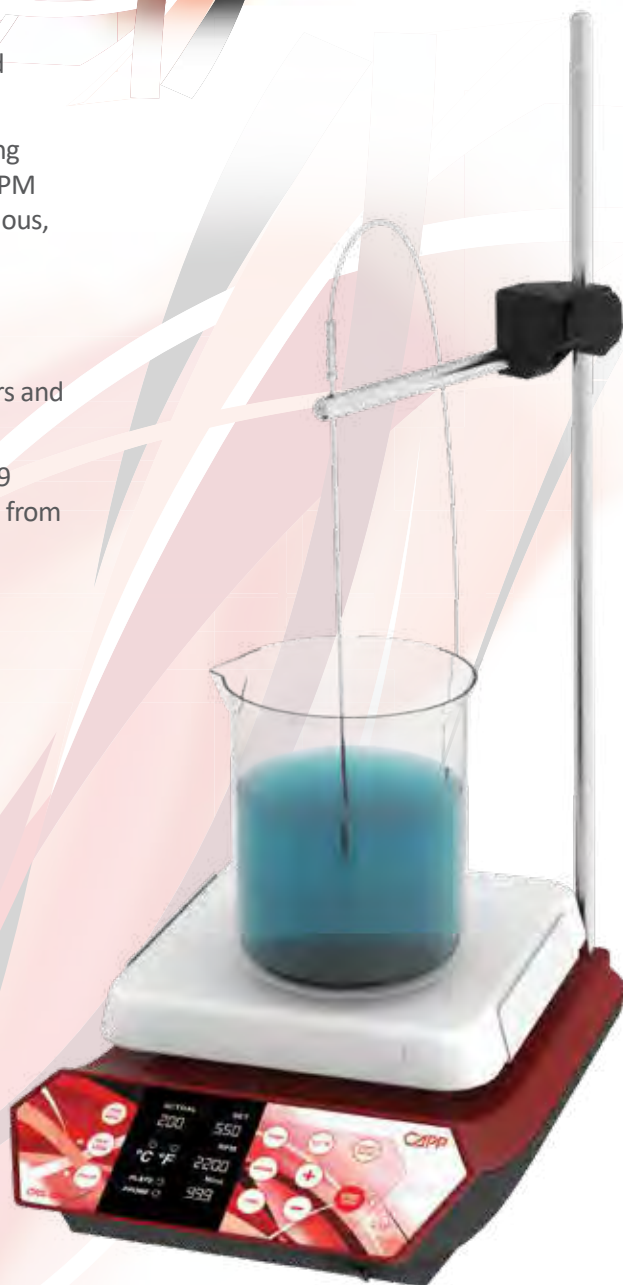
The motor technology of the **CAPP Rondo Hotplate Stirrer** ensures constant speed under varying load weight.

The large user-friendly display provides an overview of all parameters and enables easy and comfortable operation.

With the **CAPP Rondo Hotplate Stirrer** the user can program up to 99 individual protocols as well as set up the programmable *Pulse Mode* from 30 to 99 seconds.

### Specifications:

Speed Range	200-2.200 RPM in steps of 10 RPM
Temperature Range	From ambient to 550°C
Load Capacity	20L
Motor Type	Brushless DC motor
Top Plate Material	Nano-crystalline glass ceramic
Top Plate Dimensions	180x180mm
Time Setting	1-999 minutes or infinite
Programmable Modes	Up to 99 individual protocols
Pulse Mode	Programmable, from 30 to 99 secs.
Dimensions (WxDxH)	220x330x115mm
Weight	4.5kg
Protection Class	IP 21



## Ordering Information

Cat No.	Description
CRS-22H	CAPPRondo Hotplate Stirrer 2.200 RPM, 550°C ceramic, 20L capacity, 220V
CRS-22H-110	CAPPRondo Hotplate Stirrer 2.200 RPM, 550°C ceramic, 20L capacity, 110V
CRS-22H-P	P1000 temperature probe for CAPPRondo Hotplate Stirrer
CRS-22H-S	Stand for P1000 temperature probe CAPPRondo Hotplate Stirrer

# CAPP Rondo

## MAGNETIC STIRRER

The **CAPP Rondo Magnetic Stirrer** is a compact device that works at a maximum speed of 1.500 RPM. It is manufactured with a robust stainless steel top surface which resists moderate contamination of harsh chemicals. The adjustable speed and timer function can be set and monitored on a modern real-time digital display.

### Not just a simple Stirrer:

- Adjustable speed and timer
- Last run memory feature
- Pulse mode works for 30 seconds in each direction, for improved mixing
- Water spill resistant – IP 65 compliant

### Innovative design:

- Slim profile – only 16.5mm thick
- Touch control pad and digital display
- Flat surface for ease of cleaning
- Maintenance free

*Important note:* to maximise the performance of your **CAPP Rondo Magnetic Stirrer**, **CAPP** recommends that you use our original Teflon coated, 25mm high strength stirring bar. One unit is supplied with each instrument. Contact your local distributor to order more units.



### Specifications:

Maximum Speed	1.500 RPM
Speed Setting	15 to 1.500 RPM (increments of 50 RPM)
Load Capacity	800mL
Recommended Stir Bar Length	25mm
Dimensions	124 x 191 x 16.5mm
Weight	600g
Pulse Function	Yes
Timer Function	1 to 99 minutes and infinite mode

## Ordering Information

Cat. No.	Description
CRS-15X	CAPPRondo Magnetic Stirrer 1.500 RPM w/ 1 stirring bar



# CAPP Wash

## MICROPLATE WASHER

### Compact, Inexpensive and Made For Small Scale Work

Whether you work in a research or in a clinical laboratory, the compact **CAPP Wash Microplate Washer** is the ideal washing tool for small scale immuno assays. Fitting into even the tightest budget, **CAPP Wash** is a perfect alternative to dependence on department washers for washing microplates and strips.

#### Features:

- 
- **CAPP Wash Microplate Washer** performs uniformly and efficiently every time
  - Washing is simple. Simply lower the tubes into the well, then push the knob to fill and release the knob to empty. Repeat for the desired amount of washings and move on to the next row
  - Matches all well types. The washer can be set to the desired depth very easily by simply adjusting the two finger screws found on either side of the tubes
  - The **CAPP Wash** is available in 8-channel, 12-channel and 16-channel versions, as well as a 6-channel **Tube Wash** manual washer for 12x75mm test tubes
  - Produced from high-grade stainless steel and polypropylene, the washer is fully autoclavable as well as highly resistant to aggressive chemicals.
  - Unique Two-in-One Design: Each tube consists of an inner tube that releases the distilled water washing solution into the wells for rinsing, while the outer tube vacuums away the liquid upon completion of the washing procedure
  - The vacuum pump is available for 115V and 230V connections
  - All components included in the kits can also be purchased individually
    - No programming required
    - No electrical wiring connection

## Ordering Information

Cat. No.	Description
W-8	CAPPWash 8-channel
W-12	CAPPWash 12-channel
W-16	CAPPWash 16-channel
W-8KIT-115V	CAPPWash Kit including W-8, WP-115V, WB-1, WB-3, WB-4, and W-1000 (3 meters)
W-12KIT-230V	CAPPWash Kit including W-12, WP-230V, WB-1, WB-3, WB-4, and W-1000 (3 meters)







# CAPP

Uthleber Weg 14  
99734 Nordhausen  
Germany  
Tel. +49 (0) 3631 65242-0  
Fax. +49 (0) 3631 65242-90  
info@cappahn.com  
[www.CAPP.dk](http://www.CAPP.dk)



Distributed by:

