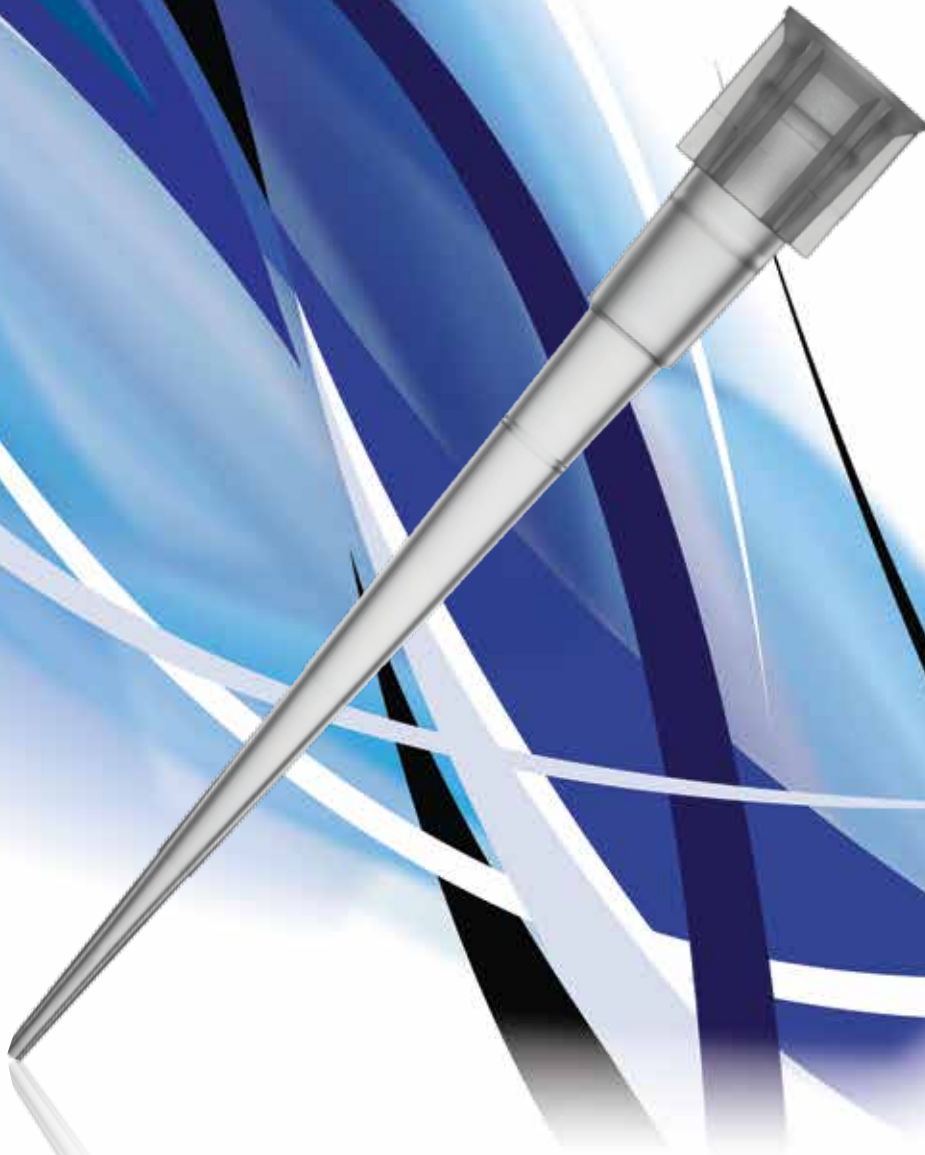


CAPP

Liquid Handling Consumables



Masters of precision

CAPP

Consumables












More than 25 years of expertise as a pipette manufacturer gives **CAPP** the necessary know-how to select and design premium consumables that match the expectations of the strictest laboratory customers.

CAPP consumables consist of pipette tips, serological pipettes, centrifuge tubes, PCR and cryogenic products, fulfilling the needs of research, diagnostics and analytical laboratories.

All **CAPP** laboratory consumables are made of ultimate quality plastics with extra polished interior and clearly visible markings, assuring they will work perfectly not only in combination with **CAPP** instruments, but also secure premium results when used with other brands' equipment.



INDEX

Pipette Tips		4
Reagent Reservoirs		15
Consumables 384 pipetting		17
Retips		18
Serological Pipettes		19
Centrifuge Tubes		20
Cryoboxes		21
Cryotubes		23
Microcentrifuge Tubes		24
PCR Tubes & Plates		25
Spin Columns		28

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



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 μ L, bag, w/ filter, 20x1000 pcs.
5131060C	Expell 10 μ L XL, bag, w/ filter, 20x1000 pcs.
5131061C	Expell 10/20 μ L XL, extra narrow, bag, w/ filter, 20x1000 pcs.
5131062C	Expell 20 μ L, bag, w/ filter, 10x1000 pcs.
5131066C	Expell 100 μ L, bag, w/ filter, 10x1000 pcs.
5131090C	Expell 200 μ L, bag, w/ filter, 10x1000 pcs.
5131150C	Expell 1000 μ L, bag, w/ filter, 10x1000 pcs.

EXPell Bulk Non-filter Tips

Cat. No.	Description
5130010C	Expell 10 μ L, clear, bag, 20x1000 pcs.
5130040C	Expell 10 μ L XL, clear, bag, 20x1000 pcs.
5130041C	Expell 10/20 μ L XL, extra narrow, clear, bag, 20x1000 pcs.
5130070C	Expell 200 μ L, clear, bag, 30x1000 pcs.
4130075C	Expell 200 μ L, yellow, bag, 30x1000 pcs.
5130100C	Expell 300 μ L, clear, bag, 10x1000 pcs.
5130130C	Expell 1000 μ l (1250 μ L), clear, bag, 20x500 pcs.
4130135C	Expell 1000 μ l (1250 μ L), blue, bag, 20x500 pcs.
5130132C	Expell 1000 μ L (1250 μ L), pre-sterile, clear, bag, 5x200 pcs. individually wrapped
5130120C	Expell 1250 μ L XL, clear, bag, 8x 500 pcs
5130160C	Expell 5000 μ L, clear, bag, 10x250 pcs. for ecopipette and CAPPBravo pipettes
5130161C	Expell 5000 μ l, clear, bag, 8x250 pcs. for CAPPSolo pipettes
5130190C	Expell 10000 μ l, clear, bag, 5x200 pcs. for ecopipette and CAPPBravo pipettes
5130191C	Expell 10000 μ l, clear, bag, 10x100 pcs. for CAPP Solo pipettes

EXPellPlus Bulk Non-filter Tips, Low Retention

Cat. No.	Description
5030010C	ExpellPlus 10 μ L, pre-sterile, clear, bag, 20x1000 pcs.
5030012C	ExpellPlus 10 μ L, pre-sterile, clear, bag, 5x400 pcs. individually wrapped
5030040C	ExpellPlus 10 μ L XL, pre-sterile, clear, bag, 20x1000 pcs.
5030042C	ExpellPlus 10 μ L XL, pre-sterile, clear, bag, 5x400 pcs. individually wrapped
5030070C	ExpellPlus 200 μ L, pre-sterile, clear, bag, 30x1000 pcs.
5030072C	ExpellPlus 200 μ L, pre-sterile, clear, bag, 5x400 pcs. individually wrapped
5030130C	ExpellPlus 1000 μ l (1250 μ L), pre-sterile, clear, bag, 20x500 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 μ L, hinged racks, 5x10x96 pcs.
5130030C	Expell 10 μ L, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030045C	Expell 10 μ L XL, hinged racks, 5x10x96 pcs.
5030046C	Expell 10/20 μ L XL, extra narrow, hinged racks, 5x10x96 pcs.
5130060C	Expell 10 μ L XL, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5130061C	Expell 10/20 μ L XL, extra narrow, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5130062C	Expell 20 μ L, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5130066C	Expell 100 μ L, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5030075C	Expell 200 μ L, hinged racks, 5x10x96 pcs.
5130090C	Expell 200 μ L, pre-sterile w/ filter, hinged racks, 5x10x96 pcs.
5130105C	Expell 300 μ L, hinged racks, 5x10x96 pcs.
5130135C	Expell 1000 μ L (1250 μ L), hinged racks, 4x8x96 pcs.
5130140C	Expell 1000 μ L (1250 μ L), pre-sterile, hinged racks, 4x8x96 pcs.
5130150C	Expell 1000 μ L, pre-sterile w/ filter, hinged racks, 4x8x96 pcs.
5130121C	Expell 1250 μ L XL, hinged racks, 4x8x96 pcs.
5130122C	Expell 1250 μ L XL, pre-sterile, hinged racks, 4x8x96 pcs.
5130123C	Expell 1250 μ L XL, pre-sterile w/filter, hinged racks, 4x8x96 pcs.
5130165C	Expell 5000 μ L, pre-sterile, racks, 10x50 pcs.
5130195C	Expell 10000 μ L, pre-sterile, racks, 10x25 pcs.

EXPellPlus Racked Tips, Low Retention

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

CAPP's **EXPell Pipette Tips Reload System** is available for 10µL standard and extended length as well as for 200µL and 1000-1250µL tips. Depending on 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.

The **EXPell Reload System** enables multiple savings: Shipping costs are significantly reduced by 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.

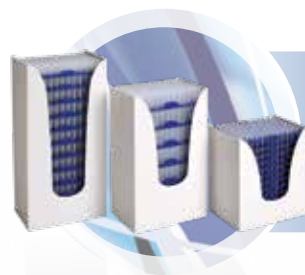
In the **EXPell Reload System** the tips from the upper insert plate are partially placed into the tips of the lower plate, resulting in a slim tower, taking much less space than a single box with 10 racked tips.

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.



Open the refill by sliding it towards the top.

1

2

Prepare an empty rack. Remove its original grid.



4

Once the tips are properly installed in the rack, you may close the hinged lid.



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 for 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.

EX Pell and EX PellPLUS

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 fulfil 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.



EX PellPLUS 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.





COMPATIBILITY CHART

Description	Cat. No.	CAPP		Gilson		Eppendorf		Brand		Thermo		Sartorius		HTL	
		Bravo / ecopipette / CAPP/Aero / CAPP/Vaestro / CAPP/Tronic	single and multichannel pipettes	Pipetman / Pipetman G	single and multichannel pipettes	Research Plus	single and multichannel pipettes	Transferpette, Transferpette S	single and multichannel pipettes	Finnpipette E1 / Novus	manual single and multichannel and electronic single and multichannel pipettes	Proline Plus / Picus	manual single channel and electronic single and multichannel pipettes	Labmate Pro (same as Labnet Biopipette)	manual single and multichannel pipettes
CAPP ExpellPlus Low Retention Pipette Tips															
ExpellPlus 10 µL, clear, sterile	5030010C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 10 µL, clear, sterile	5030020C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 10 µL XL, clear, sterile	5030040C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 10 µL XL, clear, sterile	5030050C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 10/20 µL XL, extra narrow, clear, sterile	5030051C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 200 µL, clear, sterile	5030070C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 200 µL, clear, sterile	5030080C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 300 µL, clear, sterile	5130110C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
CAPP ExpellPlus Low Retention Filter Tips															
ExpellPlus 10 µL, w/ filter, clear, sterile	5030030C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 10 µL XL, w/ filter, clear, sterile	5030060C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 10/20 µL XL, extra narrow, w/ filter, clear, sterile	5030061C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 20 µL, w/ filter, clear, sterile	5030062C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 100 µL, w/ filter, clear, sterile	5030066C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 200 µL, w/ filter, clear, sterile	5030090C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 300 µL, w/ filter, clear, sterile	5030115C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ExpellPlus 1000 µL, w/ filter, clear, sterile	5030150C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
CAPP Expell Pipette Tips															
Expell 10 µL, clear	5030015C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 10 µL, clear	5130010C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 10 µL XL, clear	5030045C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 10 µL XL, clear	5130040C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 10/20 µL XL, extra narrow, clear	5030046C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 10/20 µL XL, extra narrow, clear	5130041C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 200 µL, clear	5030075C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 200 µL, clear	5130070C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 200 µL, yellow	4130075C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 300 µL, clear	5130105C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 300 µL, clear	5130100C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 1000 µL (1250 µL), clear	5130135C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 1000 µL (1250 µL), clear	5130130C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 1000 µL (1250 µL), blue	4130135C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 1000 µL (1250 µL), clear, sterile	5130140C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 1250 µL XL, clear	5130121C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 1250 µL XL, clear, sterile	5130120C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 5000 µL, clear, sterile	5130165C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 5000 µL, clear	5130160C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 5000 µL, clear	5130161C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 10000 µL, clear, sterile	5130195C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 10000 µL, clear	5130190C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expell 10000 µL, clear	5130191C	■	■	■	■	■	■	■	■	■	■	■	■	■	■

This compatibility chart is for your reference. We are not responsible for technical modifications or changes made to the mentioned pipettes other than those of CAPP. Specifications like inaccuracy and imprecision values have not been checked. For a complete compatibility list, please contact info@cappahn.com.

■ compatible X not compatible

CAPP *Origami*

REAGENT RESERVOIRS

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

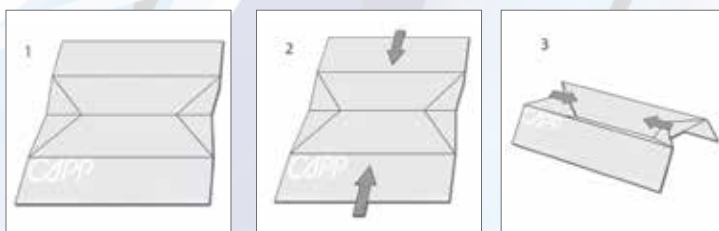
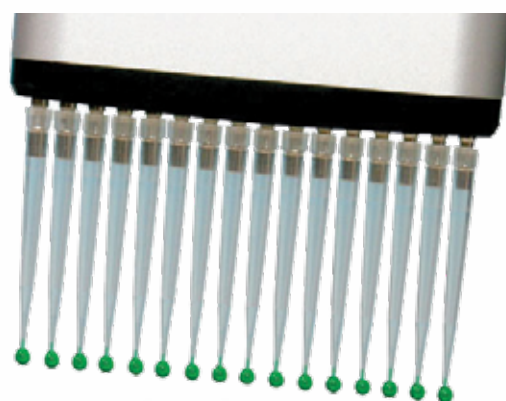
CAPP *Origami* Reagent Reservoirs feature a sharp V-shaped bottom which helps prevent bubbles forming and ensures that you can retrieve the very last drop of liquid. This makes pipetting easier and ensures the most efficient use of the reagent.

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 384™** 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 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

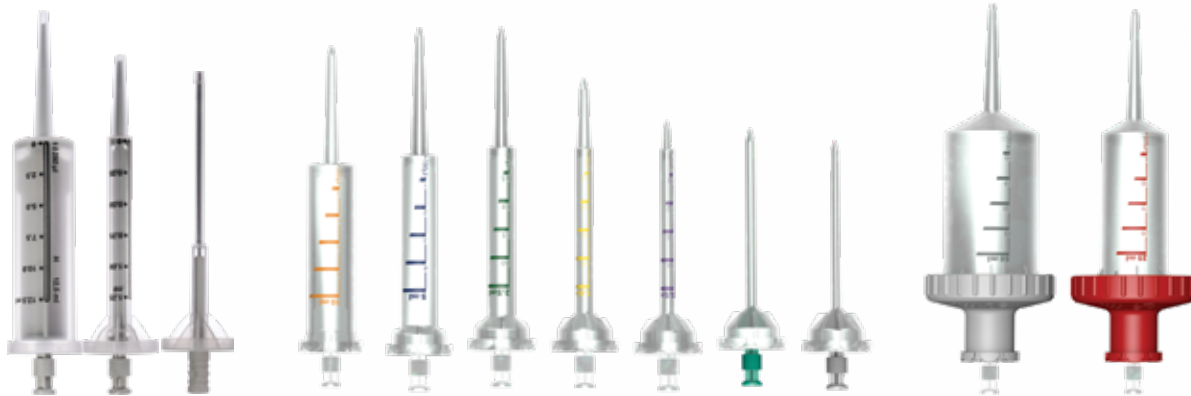
Cat. No.	Description
5100513C	Expell 384-well PCR plate, natural, 5x5x10 pcs.
5100400C	Expell PCR 96 & 384-well optical sealing membrane, non-sticky adhesive, 10x10 pcs. (similar to ABI 4311971)
5100401C	Expell PCR 96 & 384-well plate sealing membrane, sticky adhesive, 10x10 pcs.
5100402C	Expell PCR 96 & 384-well optical sealing membrane, sticky adhesive, 10x10 pcs. (similar to Bio-Rad MSB-1001)
5100403C	Expell PCR 96 & 384-well aluminum sealing membrane, sticky adhesive, 10x10 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)

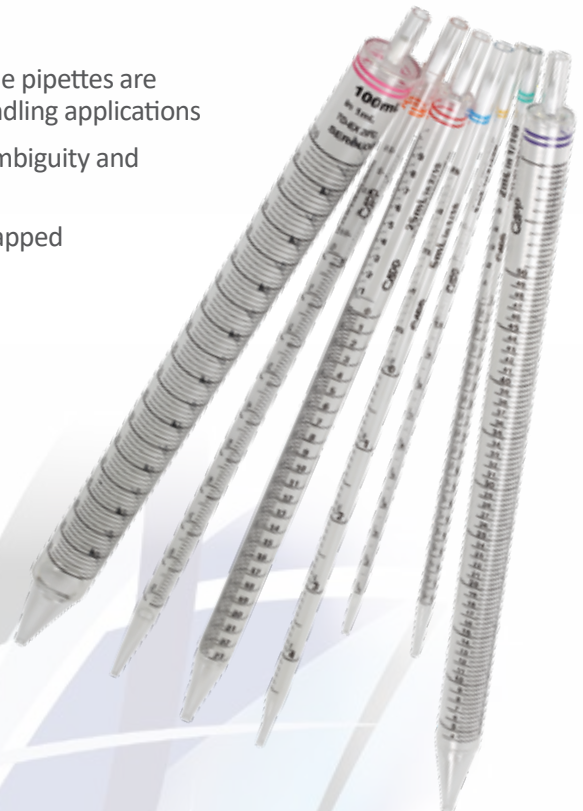
CAPP Harmony

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.	●
SPB-1-C	CAPP Harmony Serological pipette	1mL	bulk, 25 pcs./bag, 40 bags/case, (1000 pcs.)	●
SP-2-C	CAPP Harmony Serological pipette	2mL	individually wrapped, 500 pcs.	●
SPB-2-C	CAPP Harmony Serological pipette	2mL	bulk, 25 pcs./bag, 40 bags/case, (1000 pcs.)	●
SP-5-C	CAPP Harmony Serological pipette	5mL	individually wrapped, 200 pcs.	●
SPB-5-C	CAPP Harmony Serological pipette	5mL	bulk, 25 pcs./bag, 20 bags/case (500 pcs.)	●
SP-10-C	CAPP Harmony Serological pipette	10mL	individually wrapped, 200 pcs.	●
SPB-10-C	CAPP Harmony Serological pipette	10mL	bulk, 25 pcs./bag, 20 bags/case (500 pcs.)	●
SP-25-C	CAPP Harmony Serological pipette	25mL	individually wrapped, 150 pcs.	●
SPB-25-C	CAPP Harmony Serological pipette	25mL	bulk, 25 pcs./bag, 8 bags/case (200 pcs.)	●
SP-50-C	CAPP Harmony Serological pipette	50mL	individually wrapped, 100 pcs.	●
SPB-50-C	CAPP Harmony Serological pipette	50mL	bulk, 25 pcs./bag, 4 bags/case (100 pcs.)	●
SP-100-C	CAPP Harmony Serological pipette	100mL	individually wrapped , 50 pcs.	●

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 17.000 RCF for the 15mL tubes and up to 20.000 RCF for the 50mL tubes.



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, 50mL, 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°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°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 environmentally 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, case with 36 pcs.
5042020C	Cardboard Cryobox B10, 133x133x50 mm including 10x10 cell grid, case with 36 pcs.

For more information about other size options, please contact 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.

Coloured cap inserts. Available in 5 colours: red, blue, white, green and yellow. Made of PP, for easy tube recognition.

Lip seal cap design ensures that the tubes are **leak-proof**

High quality graduation marks and writing area for **easy sample identification**

SuperStraight™ design fits into both 9x9 and 10x10 cryoboxes. No surface transition between the tube and the cap for **minimal risk of contamination during storage**

External thread **SuperStraight™ design** gives up to 23% extra storage capacity when used with the 10x10 cryoboxes

QuickSeal™ design for single handed operation. Tighten or open it with only half a turn!

Star-foot bottom for better stability and operation when stored on selected cryoboxes



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.
MLD-50	Cryo Tubes Decapping Tool, 50 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.
5100505C	Expell Microcentrifuge tubes 0.5 mL, bulk, pre-sterile, 20x500 pcs.
5001500C	ExpellPlus Microcentrifuge tubes 1.5mL, bulk, low retention, 20x500 pcs.
5101500C	ExpellSecure Microcentrifuge tubes 1.5mL, bulk, bag, 20x500 pcs.
5101501C	Expell Microcentrifuge tubes 1.5mL, bulk bag, 20x500 pcs.
5101505C	Expell Secure Microcentrifuge tubes 1.5 mL, pre-sterile, bulk, 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, bulk, bag, 16x500 pcs.
5102001C	Expell Microcentrifuge tubes 2.0mL, bulk, bag, 10x500 pcs.
5102005C	Expell Secure microcentrifuge tubes 2.0 mL, pre-sterile bulk, 16x500 pcs.

EXPELL PCR

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

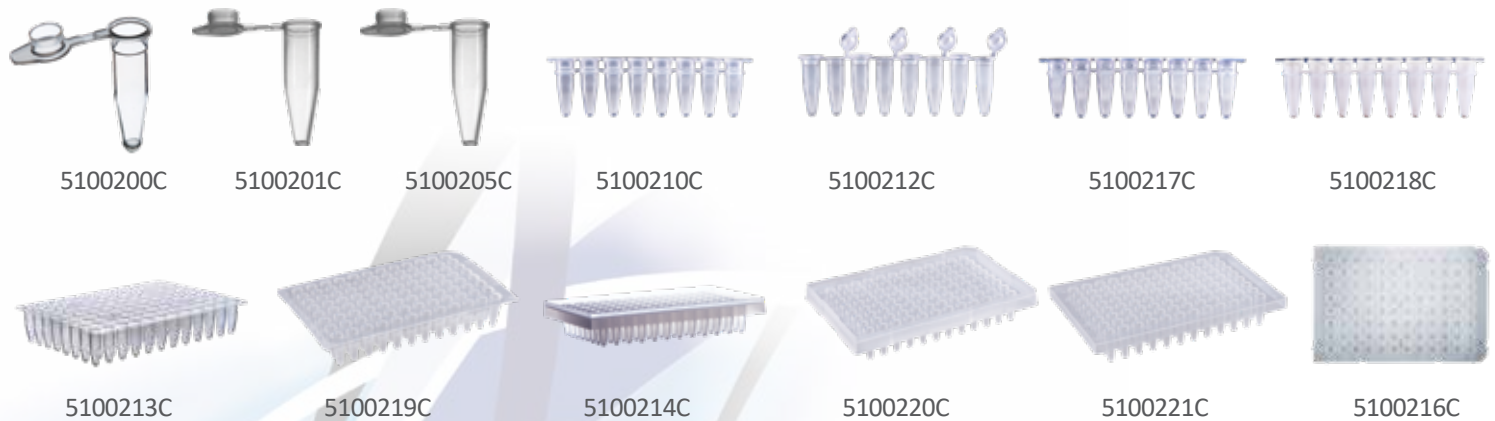
Reliable results with **CAPP EXPell^{PCR}** consumables.

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^{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.



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, 10x10x12 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.

For information about compatibility please contact info@cappahn.com

EXPELL PCR

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

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



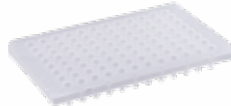
5100313C



5100314C



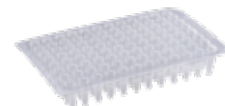
5100317C



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.

EXPell PCR

SEALING MEMBRANES AND ACCESSORIES FOR PCR AND QPCR CONSUMABLES

CAPP EXPell PCR seals are adaptable to a broad range of temperatures to allow for a full array of usage scenarios. All **CAPP EXPell PCR** adhesive plate seals can safely withstand high temperatures of up to 120°C without any loss of integrity. This allows **EXPell PCR** seals to withstand the fluctuations of PCR amplification without peeling off from sealed plates. All variants of **EXPell PCR** seals can also be used in cold storage, reaching temperatures as low as -40°C. For even colder storage needs, we recommend using the aluminium **CAPP EXPell PCR** sealing foil which can be used in ultra-low temperature storage of PCR samples (≈-80°C).

Adhesive **EXPell PCR** Plate Seals

A range of **CAPP** PCR plate seals is available for use with all your various PCR setups. For general purpose PCR and PCR plate storage, the **EXPell PCR** plate sealing membrane (Cat. No. 5100401C) would be an excellent selection. For real-time PCR, the **EXPell PCR** optical sealing membrane with its non-sticky adhesive (Cat. No. 5100400C) or the **EXPell PCR** optical sealing membrane with a sticky adhesive (Cat. No. 5100402C) would make excellent choices. Both qPCR adhesive PCR plate seals are optimized for a high light transmittance to make sure you always get the best results from your real-time PCR. At the tail-end of the selection range is the **EXPell PCR** aluminium PCR sealing foil (Cat. No. 5100403C) that can be perforated with pipette tips for easy sample transfer.



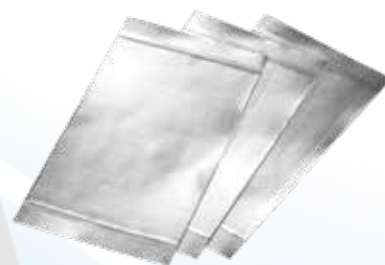
5100401C



5100400C



5100402C



5100403C

Ordering Information

Cat. No.	Description
5100401C	Expell PCR 96 & 384-well plate sealing membrane, sticky adhesive, 10x10 pcs.
5100400C	Expell PCR 96 & 384-well optical sealing membrane, non-sticky adhesive, 10x10 pcs. (similar to ABI 4311971)
5100402C	Expell PCR 96 & 384-well optical sealing membrane, sticky adhesive, 10x10 pcs. (similar to Bio-Rad MSB-1001)
5100403C	Expell PCR 96 & 384-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 *Spin Column*

SPIN COLUMN SYSTEM

The **CAPP EXPELL *Spin Column*** system is a new product line in the **EXPELL** range that provides a streamlined way for life scientists to separate, isolate, and purify biomolecules with high-quality product yields. With applications ranging from DNA extraction to DNA recovery from agarose gels, plasmid miniprep to PCR clean-up, **EXPELL *Spin Columns*** would find a place in many molecular biology workflows, and are compatible with a wide range of centrifuges from leading brands.

True to form, **CAPP EXPELL *Spin Columns*** are manufactured in a two-part system from a premium-grade of polypropylene. The two-part design of **EXPELL *Spin Columns*** consists of a filter tube (0.8 mL) with a selection of filter membrane options as well as a receiver tube (1.5/2.0 mL). The material construction of **EXPELL *Spin Columns*** provides superior structural strength that withstands the highest centrifugal forces while minimizing chemical interactions with reactants.

CAPP EXPELL *Spin Columns* with glass fiber filters use the latest silica-based filtration membrane technology to bind nucleic acids with up to 99.99% efficiency. This ensures maximum recovery of DNA/RNA from a variety of samples. **EXPELL *Spin Columns*** are also available with polyethylene filters that have excellent chemical resistance and can be used in prefiltration and removal of coarse materials from samples.



Features:

- High filtration efficiency spin columns with nucleic acid yields of up to 99.99%
- Premium-grade polypropylene construction that minimizes chemical interactions with reactants
- One filter tube size (0.8 mL) compatible with both 1.5 mL and 2.0 mL receiver tubes
- Receiver tubes with volume graduations that are clear and easy to read
- Selection of filter membrane materials including silica-based glass fiber and polyethylene

Ordering Information

Cat. No.	Description
5052001C	Expell spin columns with glass fiber filter (GF-F2). Pack includes 0.8 mL filter tubes with 2.0 mL receiver tubes, clear, bag, 2x100 pcs.
5052002C	Expell spin columns with glass fiber filter (GF-N2). Pack includes 0.8 mL filter tubes with 2.0 mL receiver tubes, clear, bag, 2x100 pcs.
5052003C	Expell spin columns with PE filter (20-60 µm). Pack includes 0.8 mL filter tube with 2.0 mL receiver tubes, clear, bag, 2x100 pcs.
5050800C	Expell spin columns without filter. Pack includes 0.8 mL filter tubes with filter rings, clear, bag, 2x100 pcs.
5052000C	Expell 2.0 mL receiver tubes, clear, bag, 10x1000 pcs.

CAPP Pipetting Instruments Overview

CAPP Bravo

SINGLE CHANNEL PIPETTE



Highlights

- Lightweight ergonomic design
- Extremely user friendly
- Volume lock feature
- Stainless steel piston
- Universal tip cones
- Fully autoclavable



CAPP Maestro

ELECTRONIC SINGLE CHANNEL PIPETTE



Highlights

- Fully coloured OLED display
- Lightweight construction
- Large tip ejector
- User-friendly, intuitive interface
- Protocol switch by 2 clicks
- Long lasting performance
- Calibration & password setting

ecopipette

SINGLE CHANNEL PIPETTE



Highlights

- Lockable volume controller
- Low forces for aspiration & blow-out
- The only pipette with fixed & variable plungers
- Double o-ring for optimal tip seal
- Robust design with metal tip base
- Fully autoclavable



CAPP Tronic

ELECTRONIC MULTICHANNEL PIPETTE



Highlights

- Extremely user-friendly
- Memory capacity up to 9 protocols
- One-side programming manual
- Long-life lithium battery
- Ultimate performance
- Wide tip compatibility



CAPP Aero 96

MULTICHANNEL PIPETTE



Highlights

- Easily exchangeable counter
- Highly ergonomic tip ejection lever
- Fully autoclavable body
- Metallic tip cone with double o-rings
- Single channel accuracy and precision



MECHANICAL REPEATER

Highlights

- Elegant & ergonomic design
- Highly robust
- Wide range of retips



CAPP Tempo

PIPETTE CONTROLLER

Highlights

- Digital display
- Adjustable speeds
- Electronic Brake System (EBS)



CAPP Aero 384

MULTICHANNEL PIPETTE



Highlights

- Unique line for 384-well pipetting
- Highly ergonomic tip ejection lever
- Superior accuracy & precision
- Fully autoclavable



CAPP Rondo

Benchtop Instruments Overview

CAPP Rondo

CENTRIFUGES



COMING SOON



Highlights

- Compact design
- Extremely robust & maintenance-friendly
- Increased user safety
- Self-intuitive user interface
- Multiple models & rotor options

CAPP Rondo

VORTEXES, SHAKERS, ROLLERS & ROTATORS



Wird bald
gelauncht



Highlights

- Flexible Kapazitätsoptionen
- Ultimative Mischleistung
- Robust, kompakt und wartungsfreundlich
- Große Auswahl an Modellen und Optionen

CAPP Rondo

STIRRERS



Highlights

- With and without heating
- High chemical resistance
- Easy-to-clean
- Wide speed range
- Flexible operation options

CAPP Rondo

MINI INCUBATOR



Highlights

- Compact benchtop incubator
- Lightweight construction & spacious chamber
- Large LED Display and user-friendly interface

CAPP Wash

MICROPLATE WASHER



Highlights

- 115V and 230V connections
- Small, compact, robust, autoclavable
- 8-, 12- and 16-channel versions
- Available as individual instrument or a full washkit set, including vacuum pump, tubing and bottles

Handwriting practice lines consisting of 30 horizontal dotted lines.



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