

# Liquid Handling Brochure 2019



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## Manual Single Channel Pipettes

### Capp ecopipette

	<b>Cat. No.</b>	<b>Volume</b>
<ul style="list-style-type: none"> <li>• With integrated tip ejector</li> <li>• Long life span through usage of durable materials</li> <li>• Biodegradable package material can be recycled</li> <li>• Easy exchangeable volume knob</li> <li>• Autoclavable pipette shaft</li> <li>• <b>NEW</b>: with smaller increments</li> <li>• Also available as pipette with fixed volume</li> </ul>	C02-1S ( short pipette)	0.2 - 2 µl
	C02-1	0.2 - 2 µl
	C10-1	0.5 - 10 µl
	C20-1	2 - 20 µl
	C50-1	5 - 50 µl
	C100-1	10 - 100 µl
	C200-1	20 - 200 µl
	C1000-1	100 - 1000 µl
	C1000-1M (2 µl increment)	100 - 1000 µl
	C5000-1	1 - 5 ml
C5000-1M (10 µl increment)	1 - 5 ml	
C10000-1	1 - 10 ml	



#### **ecopipette Starter Kit:**

- 3 x ecopipettes of choice
- 1 x stand C-01 (see page 5)
- 3 x racks of pipette tips
- 1 x timer

SK-03-XX

### Capp Tri-volume Pipettes

	<b>Cat. No.</b>	<b>Description</b>
<ul style="list-style-type: none"> <li>• Three fix volume knobs</li> <li>• Autoclavable pipette shaft</li> <li>• Universal tip made from metal with double o-ring for high stability and precision</li> <li>• Compatible with most pipette tips</li> </ul>	C10-T1	1 µl, 5 µl, 10 µl volume knobs
	C100-T2	20 µl, 50 µl, 100 µl volume knobs
	C1000-T3	200 µl, 500 µl, 1000 µl volume knobs
	CXXX-T	3 volume knobs at customer's choice



### CappAero™ Microbiological Pipette

	<b>Cat. No.</b>	<b>Description</b>
<ul style="list-style-type: none"> <li>• For applications with pipette “straws”</li> <li>• With three volume knobs 100 µl, 900 µl and 1000 µl</li> <li>• Autoclavable pipette shaft</li> <li>• Ideal for viscous solutions</li> </ul>	C1000-1BS	CappAero™ microbiological pipette, 100 – 1000 µl
	4170807	“Straws” 19 cm, sterile, 1,000 pieces (40 x 25 pieces)



→ Please see pages 7 + 8 for suitable pipette tips.

## Capp Bravo Single Channel Pipette

### Simple control of volume

Pipette available with variable or fixed volume knob.

### Volume lock feature

Select the desired volume and lock the indicator to achieve a more reliable pipetting.

### Ergonomic design

Ultra lightweight. Wide knob for easy tip ejection and ergonomic hook for comfortable handling.

### Fully autoclavable

Recommended programme:  
20 minutes at 121 °C.

### Wide range of Capp pipette tips

Capp offers various sterile and non-sterile pipette tips with or without filters with the Capp brands Expell™ and ExpellPlus™.

Please see pages 7 and 8 for further information.

### Stainless steel piston

For high accuracy and precision.

### Universal tip cones

Compatible with a wide range of tip brands. Metal cones with double o-rings to avoid risk of breakage.



Cat. No.	Description	Volume
B02-1	Single channel pipette, variable volume	0.1 - 2 µl
B10-1	Single channel pipette, variable volume	0.5 - 2 µl
B20-1	Single channel pipette, variable volume	2 - 20 µl
B50-1	Single channel pipette, variable volume	5 - 50 µl
B100-1	Single channel pipette, variable volume	10 - 100 µl
B200-1	Single channel pipette, variable volume	20 - 200 µl
B1000-1	Single channel pipette, variable volume	100 - 1000 µl
B5000-1	Single channel pipette, variable volume	1 - 5 ml
B10000-1	Single channel pipette, variable volume	1 - 10 ml

SK-03-BB

### Bravo Starter Kit:

- 3 x Bravo pipettes of choice
- 1 x stand C-05 (see page 5)
- 3 x racks for pipette tips
- 1 x timer

## Manual Multi Channel Pipettes

### CappAero™ 8- and 12-Channel Pipettes

- Lightweight construction to avoid fatigue
- Effortless tip mounting
- Easy tip ejection with separate handle
- Work load is spread from the thumb to all fingers
- Autoclavable pipette shaft
- With one variable volume knob  
(**300 µl pipettes** have 2 variable volume knobs with volumes from 30 - 200 µl and 125 - 300 µl)



**8-Channel Pipette**



**12-Channel Pipette**

Cat. No.	Volume
C10-8	0.5 - 10 µl
C20-8	2 - 20 µl
C50-8	5 - 50 µl
C100-8*	10 - 100 µl
C200-8	20 - 200 µl
C300-8	30 - 300 µl

\*for 200 µl pipette tip

Cat. No.	Volume
C10-12	0.5 - 10 µl
C20-12	2 - 20 µl
C50-12	5 - 50 µl
C100-12*	10 - 100 µl
C200-12	20 - 200 µl
C300-12	30 - 300 µl

\*for 200 µl pipette tips

### CappAero™ 16-, 48- and 64-Channel Pipettes

- 384-Well easy pipetting
- Fast transfer of liquids in multiwell plates
- Simultaneous start of multiple reactions
- Convenient for PCR, microarrays, etc.
- Easy tip ejection with separate handle
- Autoclavable pipette shaft
- With one variable volume knob
- For medium and high sample throughput without automation
- Lightweight construction to avoid fatigue



Cat. No.	Description	Volume
C02-16	16-channel pipette, variable volume	0.2 - 2 µl
C10-16	16-channel pipette, variable volume	0.5 - 10 µl
C50-16	16-channel pipette, variable volume	5 - 50 µl
C10-48	48-channel pipette, variable volume	0.5 - 10 µl

## Electronic Pipettes

### Capp Maestro™ - Single Channel Pipettes

- Lightweight construction and elegant ergonomic design
- Volume: 0.2 - 5000 µl
- User-friendly graphic intuitive interface
- Large, fully coloured OLED display for excellent optical control
- Various functions such as multi-dispensing, dilution or mixing
- Favourites-button: save your protocols and switch from one to the other in a matter of two clicks
- Including lithium batteries for long lasting performance



Cat. No.	Description	Volume
M10-1	Single channel pipette, variable volume	0.2 - 10 µl
M100-1	Single channel pipette, variable volume	5 - 100 µl
M200-1	Single channel pipette, variable volume	10 - 200 µl
M1000-1	Single channel pipette, variable volume	50 - 1000 µl
M5000-1	Single channel pipette, variable volume	100 - 5000 µl

### CappTronic™ - 8-Channel Pipette

- Eight-channel pipettes: volumes from 2 - 1200 µl
- Large display
- High precision and reproducible accuracy
- User-friendly handling
- Multiple functions: dilute, dispense, aspirate, etc.
- Up to 9 individual programmes can be saved
- Bottom part autoclavable
- Individually adjustable pipetting speed (5 steps)
- Compatible with most pipette tips
- Including lithium battery, adaptor and portable battery recharger



Cat. No.	Description	Volume
E20-8BA	8-channel pipette, variable volume	2 - 20 µl
E200-8BA	8-channel pipette, variable volume	10 - 200 µl
E1200-8BA	8-channel pipette, variable volume	100 - 1200 µl
E-Stand	CappTronic™ stand for 3 electronic pipettes	

## Pipette Stands (without pipettes)



C-01



S-06

Cat. No.	Description
C-01	Combi stand (2 modules), for up to 3 mechanical pipettes (except Capp Bravo)
C-04	Pipette stand for up to 4 Capp Maestro pipettes or all mechanical Capp pipettes
C-05	Pipette stand for up to 5 Capp pipettes (all models)
S-06	Carousel stand for up to 6 single channel pipettes (except Capp Bravo) or 3 multi channel pipettes
00392-1	Block for 4 volume controllers

## Volume Control Knobs

- Capp's detachable and interchangeable volume knobs allow users to work within multiple volume ranges with only **one** pipette.
- Volume controller knobs are pre-calibrated.

### Fixed volume control knobs (further volumes available on request)

Cat. No.	Description	Volume
02-FE-1	1 µl fixed volume	0.2 µl - 2 µl
02-FE-2	2 µl fixed volume	0.2 µl - 2 µl
10-FE-5	5 µl fixed volume	0.5 µl - 10 µl
10-FE-10	10 µl fixed volume	0.5 µl - 10 µl
20-FE-10	10 µl fixed volume	2 µl - 20 µl
20-FE-20	20 µl fixed volume	2 µl - 20 µl
50-FE-20	20 µl fixed volume	5 µl - 50 µl
50-FE-25	25 µl fixed volume	5 µl - 50 µl
50-FE-50	50 µl fixed volume	5 µl - 50 µl
100-FE-30	30 µl fixed volume	10 µl - 100 µl
100-FE-50	50 µl fixed volume	10 µl - 100 µl
100-FE-100	100 µl fixed volume	10 µl - 100 µl
200-FE-100	100 µl fixed volume	20 µl - 200 µl
200-FE-200	200 µl fixed volume	20 µl - 200 µl
300-FE-300	300 µl fixed volume	30 µl - 300 µl
1000-FE-500	500 µl fixed volume	100 µl - 1000 µl
1000-FE-1000	1000 µl fixed volume	100 µl - 1000 µl
5000-FE-5000	5000 µl fixed volume	1000 µl - 5000 µl
10000-FE-10000	5000 µl fixed volume	1000 µl - 10000 µl

### Further fixed volume knobs (at customers's choice)

xxx-FE-yyy

(xxx = maximum pipette volume, yyy = desired volume)

### Variable volume control knobs

Cat. No.	Description	Volume
2-VZ	variable volume knobs	0.2 µl - 2 µl
10-VZ	variable volume knobs	0.5 µl - 10 µl
20-VZ	variable volume knobs	2 µl - 20 µl
50-VZ	variable volume knobs	5 µl - 50 µl
100-VZ	variable volume knobs	10 µl - 100 µl
200-VZ	variable volume knobs	20 µl - 200 µl
300-VZ/1	variable volume knobs	30 µl - 200 µl
300-VZ	variable volume knobs	125 µl - 300 µl
1000-VZ	variable volume knobs	100 µl - 1000 µl
1000-VZ-M	variable volume knobs (2 µl increment)	100 µl - 1000 µl
5000-VZ	variable volume knobs	1000 µl - 5000 µl
5000-VZ-M	variable volume knobs (10 µl increment)	1000 µl - 5000 µl
10000-VZ-M	variable volume knobs	1000 µl - 10000 µl

### Colour Code of Capp pipettes



Volume	Colour Code
0.1 - 2 µl	violet
0.5 - 10 µl	white
2 - 20 µl	grey
5 - 50 µl	red
10 - 100 µl	orange
20 - 200 µl	yellow
30 - 300 µl	black
100 - 1000 µl	blue
1 - 5 ml	green

## Pipette Tips

non-sterile/sterile • bag/hinged racks/individually wrapped • with/without filters



- Compatible with most standard pipettes
- Expell™ and ExpellPlus™ (with ultra-low retention)
- Available with or without filter, sterile and non-sterile
- Available in following types of packaging (further options on request):
  - bag
  - paperBox carton racks
  - hinged racks
  - reload system
  - individually wrapped

### Expell™ and ExpellPlus™ Filter Tips

with filters made of pure HDPE; free from cellulose and other additives

Cat. No.	Description	Package size
5030030C	ExpellPlus™ 10 µl, clear, sterile	5 x 10 racks à 96 tips
5030029C	ExpellPlus™ 10 µl, clear, sterile	5 x 10 racks à 96 tips, paper box
5130030C	Expell™ 10 µl, clear, sterile	5 x 10 racks à 96 tips
5131030C	Expell™ 10 µl, clear	20 x 1000 tips bag
5030060C	ExpellPlus™ 10 µl, long, clear, sterile	5 x 10 racks à 96 tips
5131060C	Expell™ 10 µl, long, clear	20 x 1000 tips, bag
5030062C	ExpellPlus™ 20 µl, clear, sterile	5 x 10 racks à 96 tips
5131062C	Expell™ 20 µl, clear	10 x 1000 tips, bag
5030066C	ExpellPlus™ 100 µl, clear, sterile	5 x 10 racks à 96 tips
5131066C	Expell™ 100 µl, clear	10 x 1000 tips, bag
5030090C	ExpellPlus™ 200 µl, clear, sterile	5 x 10 racks à 96 tips
5030089C	ExpellPlus™ 200 µl, clear, sterile	5 x 10 racks à 96 tips, paper box
5131090C	Expell™ 200 µl, clear	10 x 1000 tips, bag
5030115C	ExpellPlus™ 300 µl, clear, sterile	5 x 10 racks à 96 tips
5130150C	Expell™ 1000 µl, clear, sterile	4 x 8 racks à 96 tips
5130149C	Expell™ 1000 µl, clear, sterile	4 x 8 racks à 96 tips, paper box
5131150C	Expell™ 1000 µl, clear	10 x 1000 tips, bag
5130123C	Expell™ 1250 µl, long, clear, sterile	4 x 8 racks à 96 tips









### Expell™ and ExpellPlus™ pipette tips

Cat. No.	Description	Package size
5030010C	ExpellPlus™ 10 µl, clear, sterile	20 x 1000 tips, bag
5030012C	ExpellPlus™ 10 µl, clear, sterile	5 x 400 tips, individually wrapped
5030020C	ExpellPlus™ 10 µl, clear, sterile	5 x 10 racks à 96 tips
5030015C	Expell™ 10 µl, clear	5 x 10 racks à 96 tips
5030035C	Expell™ 10 µl, clear	10 x 10 reload cards à 96 tips
5030040C	ExpellPlus™ 10 µl, long, clear	20 x 1000 tips, bag
5030050C	ExpellPlus™ 10 µl, long, clear, sterile	5 x 10 racks à 96 tips
5130040C	Expell™ 10 µl, long, clear	20 x 1000 tips, bag
5030080C	ExpellPlus™ 200 µl, clear, sterile	5 x 10 racks à 96 tips
5030070C	ExpellPlus™ 200 µl, clear, sterile	30 x 1000 tips, bag
4130075C	Expell™ 200 µl, yellow	30 x 1000 tips, bag
5130070C	Expell™ 200 µl, clear	30 x 1000 tips, bag
5030075C	Expell™ 200 µl, clear	5 x 10 racks à 96 tips
5130110C	ExpellPlus™ 300 µl, clear, sterile	5 x 10 racks à 96 tips
5130100C	Expell™ 300 µl, clear	10 x 1000 tips, bag
5130105C	Expell™ 300 µl, clear	5 x 10 racks à 96 tips
4130135C	Expell™ 1000 µl, blue (vol. up to 1250 µl)	10 x 1000 tips, bag
5130130C	Expell™ 1000 µl, long, clear (vol. up to 1250 µl)	10 x 1000 tips, bag
5130132C	Expell™ 1000 µl, clear, sterile (vol. up to 1250 µl)	5 x 200 tips, individually wrapped
5130140C	Expell™ 1000 µl, clear, sterile (vol. up to 1250 µl)	4 x 8 racks à 96 tips
5130120C	Expell™ 1250 µl, long, clear	8 x 500 tips, bag
5130122C	Expell™ 1250 µl, long, clear, sterile	4 x 8 racks à 96 tips
5130160C	Expell™ 5000 µl, clear	10 x 250 tips, bag
5130165C	Expell™ 5000 µl, clear, sterile	10 racks à 50 tips
5130190C	Expell™ 10000 µl, clear	5 x 200 tips, bag
5130195C	Expell™ 10000 µl, clear, sterile	10 racks à 25 tips









### ExpellPlus™ tips for 16-, 24-, 48- and 64-Channel pipettes

Cat. No.	Description	Package size
5030005C	ExpellPlus™ 0.2 - 50 µl, long, clear, sterile	5 x 10 racks à 384 tips
5030006C	ExpellPlus™ 0.2 - 50 µl, long, clear, sterile, mit Filter	5 x 10 racks à 384 tips

## Expell™ and ExpellPlus™ pipette tips – Compatibility Chart

	 5130010C 5030010C 5030012C 5030015C 5030020C 5030035C	 5030030C 5131030C	 5130040C 5030040C 5030042C 5030045C 5030050C 5030055C	 5030060C 5131060C	 5030062C 5131062C	 5030066C 5131066C	 5130070C 5030070C 5030072C 4130075C 5030075C 5030080C 5030095C	 5030090C 5131090C
Capp Bravo, Capp ecopipette, CappAero™ single channel pipette	0.2 - 2 µl 0.5 - 10 µl	0.2 - 2 µl 0.5 - 10 µl	0.2 - 2 µl 0.5 - 10 µl	0.2 - 2 µl 0.5 - 10 µl	2 - 20 µl	5 - 50 µl 10 - 100 µl	2 - 20 µl 5 - 50 µl 10 - 100 µl 20 - 200 µl	2 - 20 µl 5 - 50 µl 10 - 100 µl 20 - 200 µl
Electronic Capp pipettes, CappAero™ multi channel pipettes	0.5 - 10 µl 2 - 20 µl	0.5 - 10 µl 2 - 20 µl	0.5 - 10 µl 2 - 20 µl	0.5 - 10 µl 2 - 20 µl	X	5 - 50 µl 10 - 100 µl	5 - 50 µl 10 - 100 µl 20 - 200 µl	5 - 50 µl 10 - 100 µl 20 - 200 µl
Biohit eLine, mLine, Proline Plus	0.1 - 3 µl 0.5 - 10 µl	0.1 - 3 µl 0.5 - 10 µl	0.1 - 3 µl 0.5 - 10 µl	0.1 - 3 µl 0.5 - 10 µl	2 - 20 µl	2 - 20 µl 10 - 100 µl	2 - 20 µl 10 - 100 µl 20 - 200 µl	10 - 100 µl 20 - 200 µl
Brand Transferpette, Transferpette S, Transferpette Electronic	0.5 - 10 µl	0.5 - 10 µl	0.5 - 10 µl	0.5 - 10 µl	2 - 20 µl	X	2 - 20 µl 10 - 100 µl 20 - 200 µl	20 - 200 µl
Eppendorf Reference, Research Plus	0.1 - 2,5 µl 0.5 - 10 µl	0.5 - 10 µl	0.1 - 2,5 µl 0.5 - 10 µl	0.1 - 2,5 µl 0.5 - 10 µl	2 - 20 µl	2 - 20 µl 10 - 100 µl	2 - 20 µl 10 - 100 µl 20 - 200 µl	20 - 200 µl
Finnpipette Digital	0.5 - 10 µl	0.5 - 10 µl	0.5 - 10 µl	0.5 - 10 µl	2 - 20 µl	5 - 50 µl	2 - 20 µl 5 - 50 µl 20 - 200 µl	5 - 50 µl 20 - 200 µl
Gilson Pipetman	0.2 - 2 µl 1 - 10 µl	0.2 - 2 µl 1 - 10 µl	0.2 - 2 µl 1 - 10 µl	0.2 - 2 µl 1 - 10 µl	2 - 20 µl	2 - 20 µl 10 - 100 µl	2 - 20 µl 20 - 100 µl 50 - 200 µl	2 - 20 µl 10 - 100 µl 20 - 200 µl
Rainin Classic, universal shaft (non LTS)	0.1 - 2 µl 0.5 - 10 µl	0.1 - 2 µl 0.5 - 10 µl	0.2 - 2 µl 1 - 10 µl	0.1 - 2 µl 0.5 - 10 µl	2 - 20 µl	2 - 20 µl 10 - 100 µl	2 - 20 µl 10 - 100 µl 20 - 200 µl	2 - 20 µl 10 - 100 µl 20 - 200 µl
VWR, Labnet, HTL mechanical pipettes	0.1 - 2 µl 0.5 - 10 µl	0.1 - 2 µl 0.5 - 10 µl	0.2 - 2 µl 1 - 10 µl	0.1 - 2 µl 0.5 - 10 µl	2 - 20 µl	2 - 20 µl 10 - 100 µl	2 - 20 µl 10 - 100 µl 20 - 200 µl	2 - 20 µl 10 - 100 µl 20 - 200 µl

	 5130100C 5130105C 5130110C	 5030115C	 5130130C 5130132C 4130135C 5130135C 5130140C 5130155C	 5131150C	 5130120C 5130121C 5130122C	 5130123C	 5130160C 5130165C	 5130190C 5130195C
Capp Bravo, Capp ecopipette, CappAero™ single channel pipette	2 - 20 µl 5 - 50 µl 10 - 100 µl 20 - 200 µl	2 - 20 µl 5 - 50 µl 10 - 100 µl 20 - 200 µl	0.1 - 1 ml	0.1 - 1 ml	0.1 - 1 ml	0.1 - 1 ml	1 - 5 ml	1 - 10 ml
Electronic Capp pipettes, CappAero™ multi channel pipettes	5 - 50 µl 10 - 100 µl 20 - 200 µl 30 - 300 µl	5 - 50 µl 10 - 100 µl 20 - 200 µl 30 - 300 µl	0.1 - 1,2 ml	0.1 - 1,2 ml	0.1 - 1,2 ml	0.1 - 1,2 ml	0.5 - 5 ml	X
Biohit eLine, mLine, Proline Plus	2 - 20 µl 10 - 100 µl 20 - 200 µl	2 - 20 µl 10 - 100 µl 20 - 200 µl	0.1 - 1 ml	0.1 - 1 ml	0.1 - 1 ml	0.1 - 1 ml	X	1 - 10 ml
Brand Transferpette, Transferpette S, Transferpette Electronic	20 - 200 µl 15 - 300 µl	20 - 200 µl 15 - 300 µl	0.1 - 1 ml	0.1 - 1 ml	0.1 - 1 ml	0.1 - 1 ml	X	X
Eppendorf Reference, Research Plus	10 - 100 µl 20 - 200 µl 30 - 300 µl	10 - 100 µl 20 - 200 µl 30 - 300 µl	0.1 - 1 ml	0.1 - 1 ml	0.1 - 1 ml	0.1 - 1 ml	X	1 - 10 ml
Finnpipette Digital	5 - 50 µl 20 - 200 µl 30 - 300 µl	5 - 50 µl 20 - 200 µl 30 - 300 µl	0.1 - 1 ml 0.2 - 1ml	0.1 - 1 ml 0.2 - 1ml	0.1 - 1 ml 0.2 - 1ml	0.1 - 1 ml 0.2 - 1ml	X	X
Gilson Pipetman	2 - 20 µl 20 - 100 µl 50 - 200 µl	2 - 20 µl 20 - 100 µl 50 - 200 µl	0.1 - 1 ml 0.2 - 1ml	0.1 - 1 ml 0.2 - 1ml	0.1 - 1 ml 0.2 - 1ml	0.1 - 1 ml 0.2 - 1ml	1 - 5 ml	1 - 10 ml
Rainin Classic, universal shaft (non LTS)	2 - 20 µl 10 - 100 µl 20 - 200 µl	2 - 20 µl 10 - 100 µl 20 - 200 µl	0.1 - 1 ml	0.1 - 1 ml	0.1 - 1 ml	0.1 - 1 ml	1 - 5 ml	1 - 10 ml
VWR, Labnet, HTL mechanical pipettes	2 - 20 µl 10 - 100 µl 20 - 200 µl	2 - 20 µl 10 - 100 µl 20 - 200 µl	0.1 - 1 ml	0.1 - 1 ml	0.1 - 1 ml	0.1 - 1 ml	1 - 5 ml	1 - 10 ml



## Capp Controller

to be used with serological pipettes

### CappTempo™

- Available in 4 colours:
  - blue (T100-B)
  - red (T100-R)
  - violet (T100-V)
  - green (T100-G)
- Convenient for glass and plastic pipettes from 100 µl to 100 ml  
→ (also in our portfolio, please contact us for further information)
- LED display shows adjustable aspiration and dispensing speeds
- Patented electronic break system (EBS) for fast and precise aspiration of liquids
- Including battery recharger and wall holder
- Lithium battery for up to 8 hours continuous use
- Energy saving, automatic rest mode after 20 sec. of inactivity



Cat. No.	Description
T100-B/R/V/G	CappTempo™ pipette controller, 0.1 - 100 ml
T100-CS	CappTempo™ charging stand with power supply
T100-FT	CappTempo™ replacement filter, 0.2 µm (1 filter)
T100-FT45	CappTempo™ replacement filter, 0.45 µm (1 filter)

### CappController™

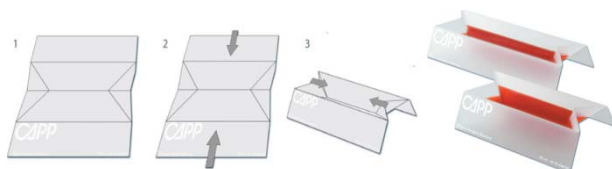
- Convenient for glass and plastic pipettes from 100 µl to 100 ml  
(also in our portfolio, please contact us for further information)
- User-friendly lightweight (167 g)
- Lithium battery for up to 12 hours continuous use
- Dispensing by gravity or by electronically controlled speed
- Vapour outlet for corrosive fumes
- UV resistant housing
- With exchangeable PTFE disc filter (0.2 µm)



Cat. No.	Description
PA-100	CappController™, 0.1 - 100 ml

## Origami Reservoirs

- Simple fold-up reservoir made of polypropylene
- V-shaped bottom
- Packed, shipped and stored as flat sheet



Cat. No.	Description
CA40505	30 ml, for 8- or 16-channel pipettes, 50/case.
CA40506	30 ml, <b>sterile</b> , for 8- or 16-channel pipettes, 10 x 5/case
CA40510	40 ml, for 12- channel pipettes, 50/case
CA40511	40 ml, <b>sterile</b> , for 12- channel pipettes, 10 x 5/case

# CappWash™

## Handwasher for Multiwell Plates

### Ideal for applications with low-throughput of plates

- With 8, 12 or 16 channels
- Also available with pump and accessories as kit
- User-friendly handling:
  - connect to vacuum and washing solution,
  - lower the tubes into the well,
  - push the knob as often as number of desired of washing steps,
  - move on to the next row of wells.



- Simple, compact and reliable
- Uniform and efficient washing
- 2-in-1-Design: each tube consists of an inner tube that releases the wash solution into the wells while the outer tube vacuums away the liquid
- Low dead volume
- Adjustable to all well types
- Autoclavable
- No electrical wiring connection
- Individual washing protocols
- Different strip versions

### Cat. No.

### Description

W-8	8-channel handwasher with stand, for 96-well plates and strips
W-12	12-channel handwasher with stand, for 96-well plates and strips
W-16	16-channel handwasher with stand, for 384-well plates

### Handwasher kits with accessories

W-8Kit-230V	CappWash Kit including CappWash 8-channel (W-8), vacuum pump (WP-230V), washing bottle (WB-1), waste collection bottle (WB-3), vacuum trap (WB-4), silicon tubing 3 m
W-12Kit-230V	CappWash Kit including CappWash 12-channel (W-12), vacuum pump (WP-230V), washing bottle (WB-1), waste collection bottle (WB-3), vacuum trap (WB-4), silicon tubing 3 m
W-16Kit-230V	CappWash Kit including CappWash 16-channel (W-16), vacuum pump (WP-230V), washing bottle (WB-1), waste collection bottle (WB-3), vacuum trap (WB-4), silicon tubing 3 m

### Accessories

WP-230V	Vacuum pump
WB-1	Bottle for washing solution
WB-3	Waste collection bottle
WB-4	Vacuum trap
W-1000	Silicon tubing, 1 m (recommended order quantity: 3 m)

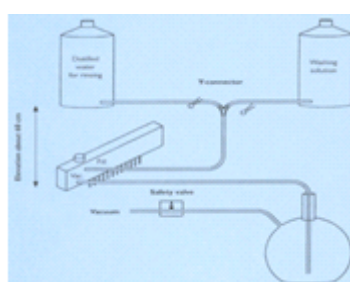
### Connections



Filling head



Spray nozzels



## Mechanical Repeater (Stepper)

### Capp R10

- Ergonomic design
- Mechanical repeater / stepper
- Low force required for fast and precise dispensing
- Compatible with all Capp Harmony Tips
- Volume range: 1 µl - 50 ml
- Lightweight (105 g)
- Single-handed volume selection, loading and dispensing
- High accuracy and precision



Cat. No.	Description
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PR-10	Volume range: 0.1 - 50 ml
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RS-00-C	Capp Harmony Tips starter kit, including: <ul style="list-style-type: none"><li>- 5 pieces of bulk syringes from 0.05 - 25 ml, non-sterile</li><li>- 5 pieces of sterile 2.5 ml, 5 ml and 12.5 ml syringes, individually wrapped</li></ul>
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**Repeater tips** (bulk or sterile, individually wrapped)

RS-01-C	0.05 ml, bulk pack, 100 tips
RS-01S-C	dto., sterile, individually wrapped
RS-02-C	0.5 ml, bulk pack, 100 tips
RS-02S-C	dto., sterile, individually wrapped
RS-03-C	1.25 ml, bulk pack, 100 tips
RS-03S-C	dto., sterile, individually wrapped
RS-04-C	2.5 ml, bulk pack, 100 tips
RS-04S-C	dto., sterile, individually wrapped
RS-05-C	5 ml, bulk pack, 100 tips
RS-05S-C	dto., sterile, individually wrapped
RS-06-C	12.5 ml, bulk pack, 100 tips
RS-06S-C	dto., sterile, individually wrapped
RS-07-C	25 ml, bulk pack, 25 tips
RS-07S-C	dto., sterile, individually wrapped
RS-08-C	50 ml, bulk pack, 25 tips
RS-08S-C	dto., sterile, individually wrapped
RS-11-C	0.1 ml, bulk pack, 100 tips
RS-11S-C	dto., sterile, individually wrapped
RS-12-C	0.2 ml, bulk pack, 100 tips
RS-12S-C	dto., sterile, individually wrapped
RS-13-C	1 ml, bulk pack, 100 tips
RS-13S-C	dto., sterile, individually wrapped
RS-14-C	10 ml, bulk pack, 100 tips
RS-14S-C	dto., sterile, individually wrapped

**Price:** Prices in Euro per unit, excluding VAT.

**Freight costs:** Germany: We charge Euro 20.00 for delivery. Large delivery on a palette please enquire. Below a net order value of Euro 100.00 an additional charge of Euro 8.00 will apply. Other countries: please contact us for further information.

**Payment:** 30 days net or against pro forma invoice.

Prices are subject to change without notice. Prices supersede all prices in previous documents. No responsibility is taken for the accuracy of the information.

03/2019

**NEW**

## Expell PCR Plates

- Consistent and reproducible PCR results
- V-shaped bottom allows total sample recovery
- Thin-walled wells of polypropylene facilitate a very good transmission of temperature and minimize condensation.
- White or frosted for highest sensitivity of fluorescent signal
- Non-skirted, fully skirted, semi-skirted or sub-skirted
- Free from nucleic acids, nucleases (DNase/RNase) and endotoxins



Cat. No.	Description	case
5100213C	Expell PCR plate, 96 x 0.2 ml, non-skirted	8 x 25 pcs
5100214C	Expell PCR plate, 96 x 0.2 ml, <b>frosted</b> , sub-skirted (for ABI cyclers)	8 x 25 pcs
5100216C	Expell PCR plate, 96 x 0.1/0.2 ml, clear, fully skirted	8 x 25 pcs
5100313C	Expell PCR plate, 96 x 0.1 ml, non-skirted	8 x 25 pcs
5100314C	Expell PCR plate, 96 x 0.1 ml, <b>white</b> , semi-skirted (for Roche LightCycler 480 and COBAS Z 480)	8 x 25 pcs
5100315C	Expell PCR plate, 96 x 0.1 ml, <b>frosted</b> , sub-skirted (for ABI Fast cyclers)	8 x 25 pcs
5100513C	Expell PCR plate, 384 x 5 µl, fully skirted	8 x 40 pcs

## Further Capp products in our portfolio





**Rondo Equipment**




3D Shaker  
Clinical Centrifuges  
Magnetic Stirrers with/witout hotplate  
Micro and Mini Centrifuges  
Plate Shakers  
Refrigerated Centrifuges  
Roller with Shaking Function  
Rotator  
Shaker  
Vortex Mixer












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