

# seripettor® seripettor® *pro*

The dispenser for biological laboratories

BRAND. For lab. For life.®

- + Simple: lifting spring for automatic filling
- + Easy: maintenance without tools
- + Efficient: for fast and reliable serial dispensing





# Get to know the seripettor® and seripettor® *pro*

The seripettor® and seripettor® *pro* bottle-top dispensers make dispensing in the biology labs simple, easy, and efficient. They are designed to dispense buffer solutions, culture media, vitamin solutions, acids, bases, salt solutions, and many polar solvents. The seripettor® can also be used to dispense agar culture media up to 60°C.

The seripettor® and seripettor® *pro* are innovative, specially-designed bottle-top dispensers from BRAND. A lifting spring ensures effortless filling.

Maintenance does not require tools. The concept minimizes the effort for cleaning and maintenance. It allows all functional parts to be replaced quickly and easily by the user without the need for tools. When the piston seal is worn out, the entire dispensing unit can be replaced by the user quickly and easily.



seripettor® / seripettor® *pro*

- + Replaceable dosing unit and wearing parts
- + Easy cleaning and maintenance
- + Easy to operate
- + Simple and effortless aspirating and dispensing
- + Volume range from 0.2 to 25 ml

# At a glance: Advantages of seripettor®

The concept of the seripettor® bottle-top dispenser allows all functional parts to be replaced quickly and easily by the

user without tools. The effort for cleaning and maintenance is minimized.



### Pump assembly with lifting spring

automatic filling of the dispensing unit

### Discharge tube

### Large viewport

enables inspection of media

### Hinged screw cap

doesn't get in the way when dispensing



### Volume selection

with scalloped track

### Replaceable dispensing cartridge

with direct wiping piston seal

### Valve block

match the threads of the most common reagent bottles



Sterile filtration of media directly from the bottle using the discharge tube with Luer-Lock connection



Serial dispensing with flexible dispensing tube



Preparing the seripettor® for autoclaving



Easy maintenance without tools

# Dispenser Selection Chart

Reagent	seripettor®	seripettor® pro	Medium	seripettor®	seripettor® pro	Medium	seripettor®	seripettor® pro
Acetaldehyde		+	Cumene (Isopropyl benzene)		+	Perchloric acid		+
Acetic acid, 5%	+	+	Diethylene glycol	+	+	Phenol		+
Acetic acid, 96%		+	Dimethyl sulfoxide (DMSO)		+	Phosphoric acid, 85%		+
Acetic acid (glacial), 100%		+	Dimethylaniline		+	Piperidine		+
Acetone		+	Ethanol	+	+	Polysorbate (TWEEN®)	+	+
Acetonitrile		+	Ethidium bromide solution	+	+	Potassium chloride	+	+
Acetophenone	+		Formaldehyde, 40%	+	+	Potassium dichromate	+	+
Acetylacetone	+	+	Formamide	+	+	Potassium hydroxide	+	+
Adipic acid	+	+	Formic acid, 100%		+	Potassium hydroxide in ethanol	+	+
Agar (60 °C)	+		Glycerol	+	+	Potassium permanganate	+	+
Allyl alcohol	+	+	Glycol (Ethylene glycol)	+	+	Propionic acid	+	+
Aluminium chloride	+	+	Glycolic acid, 50%	+	+	Propylene glycol (Propanediol)	+	+
Amino acids	+	+	Guanidine hydrochloride	+	+	Pyridine		+
Ammonia, 30%	+	+	HEPES buffer	+	+	Pyruvic acid	+	+
Ammonium chloride	+	+	Hexanoic acid	+	+	Ringer's solution	+	+
Ammonium fluoride	+	+	Hexanol		+	RPMI 1640	+	+
Ammonium sulfate	+	+	Hydriodic acid	+	+	Salicylaldehyde		+
Amyl alcohol (Pentanol)	+	+	Hydrobromic acid		+	Salicylic acid	+	+
n-Amyl acetate		+	Hydrochloric acid, 37%		+	SDS (sodium dodecyl sulfate)	+	+
Aniline		+	Hydrogen peroxide, 35%	+		Silver acetate	+	+
Barium chloride	+	+	Isoamyl alcohol		+	Silver nitrate	+	+
Benzaldehyde		+	Isobutanol	+	+	Sodium acetate	+	+
Benzyl alcohol		+	Isopropanol (2-Propanol)	+	+	Sodium chloride	+	+
Benzylamine		+	Lactic acid	+	+	Sodium dichromate	+	+
Benzylchloride		+	LB media	+	+	Sodium fluoride	+	+
Boric acid, 10%	+	+	McCoy's 5A	+	+	Sodium hydroxide, 30%	+	+
BSA serum	+	+	MEM	+	+	Sodium hypochlorite 20% (active chlorine approx. 10%)		
Butanediol	+	+	Methanol	+	+	Sulfuric acid, 10%	+	+
1-Butanol	+		Methyl benzoate		+	Tartaric acid		+
Butylamine	+		Methyl ethyl ketone		+	Tris-buffered saline w. Tween20	+	+
n-Butyl acetate		+	Methyl propyl ketone		+	TE buffer	+	+
Calcium carbonate	+	+	Mineral oil (Engine oil)		+	TRIS buffer	+	+
Calcium chloride	+	+	Monochloroacetic acid		+	Urea	+	+
Calcium hydroxide	+	+	Nitric acid, 10%		+	Zinc chloride, 10%	+	+
Calcium hypochlorite		+	Octoxinol 9 (TRITON™ X-100)	+	+	Zinc sulfate, 10%	+	+
Chloroacetaldehyde, 45%		+	Oxalic acid	+	+			
Chloroacetic acid		+	PBS buffer	+	+			
Chromic acid, 50%		+						
Copper sulfate	+	+						
Chromic acid, 50%		+						
Copper sulfate	+	+						

The above recommendations reflect testing completed prior to publication. Always follow instructions in the operating manual of the instrument as well as the reagent manufacturer's specifications. In addition to these chemicals, a variety of organic and inorganic saline solutions (e.g., biological buffers), biological detergents and media for cell culture can be dispensed. Should you require information on chemicals not listed, please feel free to contact BRAND. Status as of: 0124-10

## Operating Limits

This instrument is designed for dispensing liquids, observing the following physical limits:

- + Vapor pressure up to 500 mbar
- + Dichte max. 2,2 g/cm<sup>3</sup>
- + +15 °C to +40 °C (59 °F bis 104 °F) of instrument and reagent (seripettor®: agar cultures up to 60 °C)
- + Viscosity 2 ml instrument: 300 mm<sup>2</sup>/s  
10 ml instrument: 150 mm<sup>2</sup>/s  
25 ml instrument: 75 mm<sup>2</sup>/s



seripettor® and seripettor® pro are not suitable for HF. For dispensing HF, we recommend the use of the Dispensette® S Trace Analysis bottle-top dispenser with platinum-iridium valve spring.

# Ordering information



## seripettor®

Bottle-top dispenser

Items supplied:

Bottle-top dispenser seripettor®, for threaded bottles GL 45, discharge tube, filling tube, spare dispensing cartridge and PP adapters GL 32, GL 38 and S 40.

Volume ml	Subdivision ml	A* ≤ ± %	μl	CV* ≤ %	μl	Cat. No.
0.2 - 2	0.04	1.2	24	0.2	4	4720120
1 - 10	0.2	1.2	120	0.2	20	4720140
2.5 - 25	0.5	1.2	300	0.2	50	4720150



## seripettor® pro

Bottle-top dispenser

Items supplied:

Bottle-top dispenser seripettor® pro, for threaded bottles GL 45, discharge tube, filling tube, spare dispensing cartridge and PP adapters GL 32, GL 38 and S 40.0.

Volume ml	Subdivision ml	A* ≤ ± %	μl	CV* ≤ %	μl	Cat. No.
0.2 - 2	0.04	1.2	24	0.2	4	4720420
1 - 10	0.2	1.2	120	0.2	20	4720440
2.5 - 25	0.5	1.2	300	0.2	50	4720450

\* All dispensers calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth, steady operation. A = Accuracy, CV = Coefficient of variation

## Materials of Construction

	seripettor®	seripettor® pro
Betätigungseinheit	PC	PPO/PEI (UV protection)
Lifting spring	spring steel	Hastelloy® (stainless)
Dispensing cartridge	PE/PP	PE/PP
Valve block	PP	PP
Valve	PP/EPDM	ETFE/borosilicate glass/Al <sub>2</sub> O <sub>3</sub> /Pt-Ir
Discharge tube	FEP	PTFE/ETFE/FEP/PFA/borosilicate glass/Al <sub>2</sub> O <sub>3</sub> /Pt-Ir
Filling tube	PP	Telescoping filling tube, FEP/PTFE
Cap for discharge tube	Stopper cap, PP	Screw cap, PP

When the device is handled properly, the dispensed liquid comes into contact with the following chemical-resistant materials only: Borosilicate glass, Al<sub>2</sub>O<sub>3</sub>, PE, PP, EDMP, FEP, ETFE, PTFE, platinum-iridium.

# Accessories for simple and efficient work



## Dispensing cartridges

For seripettor®/seripettor® *pro*.

Non-sterile and sterile piston (PE), cylinder (PP).

Description	Pack of	Cat. No.
2 ml, non-sterile	3	704500
10 ml, non-sterile	3	704502
25 ml, non-sterile	3	704504
2 ml, sterile (individually wrapped)	7	704507
10 ml, sterile (individually wrapped)	7	704506
25 ml, sterile (individually wrapped)	5	704508



## Flexible discharge tube\*

PTFE, coiled, length 800 mm, with handle.

Nominal volume	Cat. No.
2 + 10 ml	704522
25 ml	704523

\* Not suitable for HF and peroxides.



## Pump assembly seripettor®

PC, spring steel lifting spring.  
Pack of 1.

Description	Cat. No.
2 ml	704541
10 ml	704542
25 ml	704544



## Pump assembly seripettor® *pro*

PPO. PEI (UV protection).  
Hastaloy (stainless) lifting spring. Pack of 1.

Description	Cat. No.
2 ml	704551
10 ml	704548
25 ml	704549



## Discharge tube with Luer-Lock attachment for micro filter\*\*

FEP/PP.

Pack of	Cat. No.
1	707928*

\*\* not suitable for peroxide

**BRAND GMBH + CO KG**

P.O. Box 1155 | 97861 Wertheim | Germany

T +49 9342 808 0 | F +49 9342 808 98000 | [info@brand.de](mailto:info@brand.de) | [www.brand.de](http://www.brand.de)



**BRAND. For lab. For life.®**

BRAND®, BRAND. For lab. For life.®, seripettor®, as well as the BRAND figurative mark are registered trademarks or trademarks of BRAND GMBH + CO KG, Germany. The BRANDGROUP figurative mark is registered trademark or trademark of Brand Group SE & Co. KG, Germany. All other trademarks mentioned or depicted here are the property of the respective owners.

Our technical literature is intended to inform and advise our customers. However, the validity of general empirical values, and of results obtained under test conditions, for specific applications depends on many factors beyond our control. Please appreciate, therefore, that no claims can be derived from our advice. The user is responsible for checking the appropriateness of the product for any particular application.

California Residents: For more information concerning California Proposition 65, please refer to [www.brand.de/calprop65](http://www.brand.de/calprop65).

Subject to technical modification without notice. Errors excepted.



Find accessories and replacement parts, user manuals, test instructions (SOP) and product videos at [shop.brand.de](http://shop.brand.de)



Further information on products and applications can be found on our YouTube channel: [mylabBRAND](https://www.youtube.com/mylabBRAND)



**Renewable energy**

In our factory we use 100% eco-friendly energy from certified hydro-electric power plants and energy generated on premise from our high efficiency cogeneration unit.



**Sustainable packaging**

We use cardboard with approx 90% recycled content for our product packaging.

994362 © 2022 BRAND GMBH + CO KG | Printed in Germany | 0124  
4 0 3 3 3 7 8 1 3 3 3 7 9 7

BRAND (Shanghai) Trading Co., Ltd.  
Shanghai, China

T +86 21 6422 2318  
[info@brand.com.cn](mailto:info@brand.com.cn)  
[china.brand.com.cn](http://china.brand.com.cn)

BRAND Scientific Equipment Pvt. Ltd.  
Mumbai, India

T +91 22 42957790  
[customersupport@brand.co.in](mailto:customersupport@brand.co.in)  
[www.brand.co.in](http://www.brand.co.in)

BRANDTECH® Scientific, Inc.  
Essex, CT. United States of America

T +1 860 767 2562  
[info@brandtech.com](mailto:info@brandtech.com)  
[www.brandtech.com](http://www.brandtech.com)