

The economy dispensers for routine dispensing.  
Precise, rugged, low-cost.



# seripettor® seripettor® *pro* **NEW!**

F I R S T C L A S S · B R A N D

- Low-cost replaceable dispensing cartridge and valves!
- Easy cleaning and maintenance!
- Easy to operate!
- Refills automatically!

## ▶ seripettor®:

for dispensing alkaline, buffer and vitamin solutions, as well as culture media, e.g., agar nutrient medium, up to 60 °C

## ▶ seripettor® *pro*: **NEW!**

broader scope of application compared to the seripettor®; for dispensing many acidic, alkaline and saline solutions, and solvents such as essential oils



**NEW!**

# The low-cost alternative...



**seripettor®** and **seripettor® pro** are innovative bottle-top dispensers from BRAND with a special design. A lifting spring provides automatic filling. When the piston seal is worn out, the entire dispensing unit can be exchanged by the user rapidly and problem-free.

**seripettor®** and **seripettor® pro** open up an enormous range of applications in routine lab work, with dispensing of buffer solutions, culture media, vitamin solutions; acid, alkaline or salt solutions, and many polar solvents. Even special cases can be managed; for example, the **seripettor®** can handle agar culture media up to a max. of 60 °C, while the **seripettor® pro** can be used for dispensing many essential oils. A guide for selecting the right equipment can be found on the last page.

## Eliminate expensive repairs! Dissassembles without tools.

The innovative design of **seripettor®/ seripettor® pro** makes cleaning and maintenance easy. All parts can be replaced quickly without tools.

## A closer look...



### Volume settings

Scalloped track allow for quick and exact setting of desired volume. The selected volume can be easily read.



### Semi-automatic dispensing

The spring-loaded piston refills the cylinder after dispensing.



### Replaceable dispensing cartridge

In the event of contamination with crystallizing or sticky deposits, the dispensing cartridge is easy and inexpensive to replace. One spare cartridge included free!



### Fits most bottles

Valve block (45 mm) and included adapters (32 and 40 mm) match the threads of the most common reagent bottles.

## Handling



### Dispensing

For dispensing, press down gently on the piston. Filling takes place automatically, thanks to the spring.



### Serial dispensing

The optional flexible discharge tube with the safety grip makes it easier to dispense in long series (it connects to the valve block with an adapter).



### Accessories for dispensing sterile liquids

1. Mount the valve block with filling tube onto the bottle and cover the valve block with cap. Fix the autoclavable sterile membrane filter (0.2 µm) laterally and autoclave at 121 °C.
2. On a Clean-bench (sterile hood), remove the cap from the valve block, screw in a new sterile dispensing cartridge and mount the pump assembly. You're ready to dispense!



# Materials of Construction

	seripettor®	seripettor® pro
Pump assembly	PC	PPO/ PEI (for UV protection)
Lifting spring	spring steel	Hastalloy (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*	PP	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

\* parts in contact with the media

## Operating limits

	seripettor®	seripettor® pro
Vapor pressure	up to 500 mbar	up to 500 mbar
Density	up to 2.2 g/cm <sup>3</sup>	up to 2.2 g/cm <sup>3</sup>
Temperature	15 to 40 °C, agar cultures up to 60 °C	15 to 40 °C
Viscosity	10 ml instrument: 150 mm <sup>2</sup> /s	10 ml instrument: 150 mm <sup>2</sup> /s
	25 ml instrument: 75 mm <sup>2</sup> /s	25 ml instrument: 75 mm <sup>2</sup> /s

## Ordering Data

### Items supplied:

seripettor®/ seripettor® pro, discharge tube, filling tube, spare dispensing cartridge and adapter, PP (GL 45/32 and GL 45/S40).

	seripettor®		seripettor® pro	
	1 - 10	2.5 - 25	1 - 10	2.5 - 25
<b>volume (ml)</b>				
<b>subdivision (ml)</b>	0.2	0.5	0.2	0.5
<b>A* (≤ ±) %</b>	1.2	1.2	1.2	1.2
<b>μl</b>	120	300	120	300
<b>CV* (≤) %</b>	0.2	0.2	0.2	0.2
<b>μl</b>	20	50	20	50
<b>Cat. No.</b>	4720 140	4720 150	4720 440	4720 450

\* 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

## Accessories

### Dispensing cartridges

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



### Flexible discharge tube

PTFE, coiled, length 800 mm, with handle. Not suitable for HF and peroxides. Pack of 1.



Description	Pack of	Cat.No..
10 ml, non-sterile	3	7045 02
25 ml, non-sterile	3	7045 04
10 ml, sterile (individually wrapped)	7	7045 06
25 ml, sterile (individually wrapped)	5	7045 08

Nominal volume	Cat.No.
10 ml	7045 22
25 ml	7045 23





# Dispenser selection chart

Medium	seripettor®	seripettor® pro
Acetaldehyde		+
Acetic acid (glacial), 100%		+
Acetic acid, 96%		+
Acetone		+
Acetonitrile		+
Acetophenone	+	
Acetylacetone	+	+
Acrylic acid		+
Acrylonitrile		+
Adipic acid	+	+
Agar (60 °C)	+	
Allyl alcohol	+	+
Aluminium chloride	+	+
Amino acids	+	+
Ammonium chloride	+	+
Ammonium fluoride	+	+
Ammonium hydroxide, 30% (Ammonia)	+	+
Ammonium sulfate	+	+
Amyl alcohol (Pentanol)	+	+
n-Amyl acetate		+
Aniline		+
Barium chloride	+	+
Benzaldehyde		+
Benzyl alcohol		+
Benzylamine		+
Benzylchloride		+
Boric acid, 10%	+	+
Butanediol	+	+
1-Butanol		+
Butylamine		+
n-Butyl acetate		+
Calcium carbonate	+	+

Medium	seripettor®	seripettor® pro
Calcium chloride	+	+
Calcium hydroxide	+	+
Calcium hypochlorite	+	+
Chloroacetaldehyde, 45%		+
Chloroacetic acid		+
Chromic acid, 50%		+
Copper sulfate	+	+
Cumene (Isopropyl benzene)		+
Diethylene glycol	+	+
Dimethyl sulfoxide (DMSO)		+
Dimethylaniline		+
Essential oil		+
Ethanol	+	+
Ethyl methyl ketone	+	+
Formaldehyde, 40%	+	+
Formamide	+	+
Formic acid, 100%		+
Glycerol	+	+
Glycol (Ethylene glycol)	+	+
Glycolic acid, 50%	+	+
Hexanoic acid	+	+
Hexanol		+
Hydriodic acid	+	+
Hydrobromic acid		+
Hydrochloric acid, 37 %		+
Hydrogen peroxide, 35%	+	
Isoamyl alcohol		+
Isobutanol	+	+
Isopropanol (2-Propanol)	+	+
Lactic acid	+	+
Methanol	+	+
Methyl benzoate		+

Medium	seripettor®	seripettor® pro
Methyl propyl ketone		+
Mineral oil (Engine oil)		+
Monochloroacetic acid		+
Nitric acid, 10%		+
Oxalic acid	+	+
Perchloric acid		+
Phenol		+
Phosphoric acid, 85%		+
Piperidine		+
Potassium chloride	+	+
Potassium dichromate	+	+
Potassium hydroxide	+	+
Potassium permanganate	+	+
Propionic acid	+	+
Propylene glycol (Propanediol)	+	+
Pyridine		+
Pyruvic acid	+	+
Salicylaldehyde		+
Salicylic acid	+	+
Silver acetate	+	+
Silver nitrate	+	+
Sodium acetate	+	+
Sodium chloride	+	+
Sodium dichromate	+	+
Sodium fluoride	+	+
Sodium hydroxide, 30%	+	+
Sodium hypochlorite	+	+
Sulfuric acid, 10%	+	+
Tartaric acid		+
Urea	+	+
Zinc chloride, 10%	+	+
Zinc sulfate, 10%	+	+

**Note:** seripettor® and seripettor® pro are not suitable for HF.

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: 1206

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We reserve the right to make technical modifications without notice.

Additional information on the seripettor® and seripettor® pro (operating manual, etc.) can be found at [www.brand.de](http://www.brand.de)

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