

seripettor®

The seripettor® bottle-top dispenser is an economical wiping seal dispenser suitable for many commonly used reagents in biological and chemical laboratories. It precisely dispenses a wide variety of liquids. Optional accessories, such as the flexible discharge tube, are available to increase productivity and convenience.

- **Dispenses most non-aggressive liquids**—The seripettor® is a low-cost, reliable tool for dispensing measured volumes of weak acids, alkaline solutions, polar solvents, isotonic solutions, and agar culture media at up to a max. temperature of 60 °C. See selection guide on page 51.
- **Simplifies dispensing**—Notched volume selector allows for quick and exact volume adjustment. Spring-driven refill function enables one-handed operation.
- **Convenient cleaning and maintenance**—Innovative design permits simple disassembly and easy replacement of wearing parts, extending instrument life.
- **Fits most reagent containers**—The 45 mm standard thread, plus the included adapters with 33 mm, 38 mm and 40 mm thread, fits most common lab bottles.
- **Dispenses sterile media**—Accessories are available for sterile dispensing.



A rugged,
economical tool for
routine dispensing



Technical data

Operating limits and exclusions

Never use this instrument with:

- Liquids which attack FEP, PP, PE or EPDM
- Non-polar solvents like hydrocarbons and halogenated hydrocarbons
- Concentrated or oxidizing acids
- Explosive liquids (e.g., carbon disulfide)

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

- Vapor pressure up to 500 mbar
- Density up to 2.2 g/cm³
- Temperature of use between 15 °C and 40 °C of instrument and reagent (agar culture media up to 60 °C)
- Viscosity
 - 2 mL instrument: 300 mm²/s
 - 10 mL instrument: 150 mm²/s
 - 25 mL instrument: 75 mm²/s
 - (dynamic viscosity [mPas] = kinematic viscosity [mm²/s] x density [g/cm³])

Sterile dispensing

Optional accessories are available to make dispensing of agar and other sterile liquids quick and easy with the seripettor®. These include:

- Sterile dispensing cartridges
- Valve block cap
- Special filling tube for autoclaving
- 0.2 µm membrane filter



Sterile dispensing cartridge installation

Items supplied

Each seripettor® bottletop dispenser includes:

- Spare dispensing cartridge
- Discharge tube
- 250 mm filling tube
- Operating manual
- Three PP adapters: 45/S40 mm, 45/38 mm, and 45/33 mm. See page 49 for other adapters
- One-year warranty

Volume, mL	Subdivision, mL	A* < ± %	CV* ≤ %	Cat. No.	2021 List Price
seripettor®					
0.2-2	0.04	1.2	0.2	4720120	\$140.40
1-10	0.2	1.2	0.2	4720140	140.40
2.5-25	0.5	1.2	0.2	4720150	178.00

A*=Accuracy, CV*=Coefficient of Variation

* The value of accuracy and coefficient of variation are final test values referring to the delivered nominal volume, instrument and distilled water at equilibrium with ambient temperature (20 °C/68 °F) and with smooth operation.

Description	Photo	Pack of	Cat. No.	2021 List Price	
Replacement parts					
Dispensing cartridge, for 2 mL seripettor®, non-sterile		1	3	704500	\$65.20
Dispensing cartridge, for 10 mL seripettor®, non-sterile		1	3	704502	65.20
Dispensing cartridge, for 25 mL seripettor®, non-sterile		1	3	704504	92.20
Dispensing cartridge, for 2 mL seripettor®, sterile		2	7	704507	114.60
Dispensing cartridge, for 10 mL seripettor®, sterile		2	7	704506	114.60
Dispensing cartridge, for 25 mL seripettor®, sterile		2	5	704508	122.00
Flexible discharge tubing for 25 mL seripettor®, PTFE, 800 mm		3	1	704523	226.80
Flexible discharge tubing for 2 mL & 10 mL seripettor®, PTFE, 800 mm		3	1	704522	135.00
Discharge tube for 2 mL seripettor®		6	1	704518	41.20
Discharge tube for 10 mL and 25 mL seripettor®		6	1	704520	41.20
Valve block cap for 2 mL & 10 mL seripettor®, PP		4	1	704552	36.80
Valve block cap for 25 mL seripettor®, PP		4	1	704554	36.80
Filling tube, 250 mm		–	2	704532	11.60
Filling tube, 500 mm		–	2	704534	16.60
Filling tube for sterile applications, 250 mm		–	1	704536	11.60
Filling tube for sterile applications, 500 mm		–	1	704538	16.60
Membrane filter, 0.2 µm, non-sterile		5	10	26535	122.00

Bottles & adapters

See detailed listing on page 47



[1] Dispensing cartridge, non-sterile



[2] Dispensing cartridge, sterile



[3] Flexible discharge tube



[4] Valve block cap



[5] 0.2 µm membrane filter



[6] Discharge tube

seripettor® pro

The seripettor® pro is a bottletop dispenser designed to handle a wider range of liquids than the seripettor® for customers who do not require all of the features of the Dispensette®. Like the seripettor®, it features an easily-replaceable wiping seal dispensing cartridge, making it especially suitable for liquids that tend to form crystals.

- **Wide chemical range**—Valves and seals on the seripettor® pro allow a broader range of liquids to be dispensed than the regular seripettor®.
- **Protects light-sensitive reagents**—Pump assembly with Hastelloy® stainless steel spring. An opaque upper sleeve helps protect liquid from UV-light during dispensing operations, while permitting observation of cylinder to confirm purging of bubbles.
- **Replaceable dispensing cartridge**—Quick-change cartridge makes service a breeze and keeps life-time service costs low. If wiping seals wear out, or are damaged by crystallizing reagents, just change the inexpensive cartridge, and you're back in business!
- **Telescoping filling tube**—Filling tube adjusts to fit many bottles without cutting.
- **Discharge tube with a threaded safety screw cap**—Attach and remove the discharge tube with a quick twist.
- **Spring-loaded piston**—One-handed, semi-automatic operation is possible.
- **Threaded safety cap**—Cap is attached and removed with a quick twist.

An economical, versatile wiping-seal dispenser



Volume, mL	Subdivision, mL	A* \pm %	CV* \leq %	Cat. No.	2021 List Price
seripettor® pro					
0.2-2	0.04	1.2	0.2	4720420	\$353.60
1-10	0.2	1.2	0.2	4720440	353.60
2.5-25	0.5	1.2	0.2	4720450	505.00

A*=Accuracy, CV*=Coefficient of Variation

* The value of accuracy and coefficient of variation are final test values referring to the delivered nominal volume, instrument and distilled water at equilibrium with ambient temperature (20 °C/68 °F) and with smooth operation.



[1] Dispensing cartridge, non-sterile



[2] Flexible discharge tube



[3] Telescoping filling tubes, FEP

Description	Photo	Pack of	Cat. No.	2021 List Price
Dispensing cartridges				
Dispensing cartridge, for 2 mL seripettor® pro, non-sterile	1	3	704500	\$65.20
Dispensing cartridge, for 10 mL seripettor® pro, non-sterile	1	3	704502	65.20
Dispensing cartridge, for 25 mL seripettor® pro, non-sterile	1	3	704504	92.20
Flexible discharge tube for 2 mL & 10 mL seripettor® pro	2	1	704522	135.00
Flexible discharge tube for 25 mL seripettor® pro	2	1	704523	226.80
Discharge tube for 2 mL seripettor® pro		1	707915	84.60
Discharge tube for 10 mL seripettor® pro		1	707916	79.20
Discharge tube for 25 mL seripettor® pro		1	707918	79.20

Bottle thread adapters see detailed thread adapter listing on page 47

For Nominal Volume, mL	Length, mm	Photo	Pack of	Cat. No.	2021 List Price
Telescoping filling tubes					
2, 10	70 - 140 (2.6" - 5.5")	3	1	708210	\$25.40
2, 10	125 - 240 (4.9" - 9.5")	3	1	708212	35.40
2, 10	195 - 350 (7.7" - 13.8")	3	1	708214	50.20
2, 10	250 - 480 (9.8" - 18.9")	3	1	708216	40.20
25	170 - 330 (6.7" - 13.0")	3	1	708218	51.20
25	250 - 480 (9.8" - 18.9")	3	1	708220	53.40

Items supplied

Each seripettor® pro bottletop dispenser includes:

- Spare dispensing cartridge
- Discharge tube
- Three PP adapters: 45/S40 mm, 45/38 mm and 45/33 mm.
- Telescoping filling tube
- Operating manual
- One-year warranty

Operating limits and exclusions

Never use this instrument with:

- Liquids which attack PP, PE, Al₂O₃ - ceramic, ETFE, FEP, PFA and PTFE (e.g., dissolved sodium azide*)
- Liquids which attack borosilicate glass (e.g., hydrofluoric acid)
- Liquids which are decomposed catalytically by platinum-iridium (e.g., H₂O₂)
- Non-polar solvents like hydrocarbons and halogenated hydrocarbons
- Concentrated or oxidizing acids (excluding HCl)
- Explosive liquids (e.g., carbon disulfide)
- Suspensions (e.g., of charcoal) as solid particles may clog or damage the instrument

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

- Vapor pressure up to 500 mbar
- Density up to 2.2 g/cm³
- Temperature 15 °C to 40 °C
- Viscosity
2 mL instrument: 300 mm²/s
10 mL instrument: 150 mm²/s
25 mL instrument: 75 mm²/s
(dynamic viscosity [mPas] = kinematic viscosity [mm²/s] x density [g/cm³])

*Dissolved sodium azide permitted up to a max. of 0.1%

Areas of application / Chemical selection list

■ seripettor® dispenser

■ seripettor® pro dispenser

Reagent	seripettor®	seripettor pro®	Reagent	seripettor®	seripettor pro®
Acetaldehyde		+	Glycol (Ethylene glycol)	+	+
Acetic acid, 5%	+	+	Glycolic acid, 50%	+	+
Acetic acid, 96%		+	Hexanoic acid	+	+
Acetic acid (glacial), 100%		+	Hexanol		+
Acetone		+	Hydriodic acid	+	+
Acetonitrile		+	Hydrobromic acid		+
Acetophenone	+		Hydrochloric acid, 37%		+
Acetylacetone	+	+	Hydrogen peroxide, 35%	+	
Acrylic acid		+	Isoamyl alcohol		+
Acrylonitrile		+	Isobutanol	+	+
Adipic acid	+	+	Isopropanol (2-Propanol)	+	+
Agar (60 °C)	+		Lactic acid	+	+
Allyl alcohol	+	+	Methanol	+	+
Aluminium chloride	+	+	Methyl benzoate		+
Amino acids	+	+	Methyl ethyl ketone		+
Ammonia 30%	+	+	Methyl propyl ketone		+
Ammonium chloride	+	+	Mineral oil (Engine oil)		+
Ammonium fluoride	+	+	Monochloroacetic acid		+
Ammonium sulfate	+	+	Nitric acid, 10%		+
Amyl alcohol (Pentanol)	+	+	Oxalic acid	+	+
n-Amyl acetate		+	Perchloric acid		+
Aniline		+	Phenol		+
Barium chloride	+	+	Phosphoric acid, 85%		+
Benzaldehyde		+	Piperidine		+
Benzyl alcohol		+	Potassium chloride	+	+
Benzylamine		+	Potassium dichromate	+	+
Benzylchloride		+	Potassium hydroxide	+	+
Boric acid, 10%	+	+	Potassium hydroxide in ethanol	+	+
Butanediol	+	+	Potassium permanganate	+	+
1-Butanol		+	Propionic acid	+	+
Butylamine		+	Propylene glycol (Propanediol)	+	+
n-Butyl acetate		+	Pyridine		+
Calcium carbonate	+	+	Pyruvic acid	+	+
Calcium chloride	+	+	Salicylaldehyde		+
Calcium hydroxide	+	+	Salicylic acid	+	+
Calcium hypochlorite		+	Silver acetate	+	+
Chloroacetaldehyde, 45%		+	Silver nitrate	+	+
Chloroacetic acid		+	Sodium acetate	+	+
Chromic acid, 50%		+	Sodium chloride	+	+
Copper sulfate	+	+	Sodium dichromate	+	+
Cumene (Isopropyl benzene)		+	Sodium fluoride	+	+
Diethylene glycol	+	+	Sodium hydroxide, 30%	+	+
Dimethyl sulfoxide (DMSO)		+	Sodium hypochlorite (active Chlorine approx. 10%)		+
Dimethylaniline		+	Sulfuric acid, 10%	+	+
Ethanol	+	+	Tartaric acid		+
Formaldehyde, 40%	+	+	Urea	+	+
Formamide	+	+	Zinc chloride, 10%	+	+
Formic acid, 100%		+	Zinc sulfate, 10%	+	+
Glycerol	+	+			

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 BrandTech. Status as of: 1017/8

For the most current version of this chart, visit our website www.brandtech.com.

NOTE: The seripettor® & seripettor® pro bottletop dispensers cannot be used with hydrofluoric acid (HF). See page 41 for a description of the Dispensette® S Trace Analysis Pt-Ir dispenser which is the only BRAND® dispenser designed for use with HF.

