seripettor®

The seripettor® bottletop dispenser is an economical wiping seal dispenser suitable for many commonly used reagents in biological, clinical, medical, 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, methanol, and acetylacetone. See selection guide on page 47.
- **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 rapid replacement of wearing parts, extending instrument life.
- **Fits Most Reagent Containers:** The 45mm standard thread plus the included adapters with 33mm and 40mm thread fits most common lab bottles.
- **Dispenses Sterile Media:** Accessories are available for sterile dispensing

A Rugged, Economical Tool for Routine Dispensing.

BRAND®

seripettor® bottletop dispenser

Technical data

Operating limits and exclusions

Never use this instrument with:

– liquids attacking 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 500mbar
– density up to 2.2g/cm³
– temperature of use between 15° and 40°C (59° and 104°F of instrument and reagent) (agar cultures up to 60°C)
– viscosity
2mL instrument: 300mm²/s
10mL instrument: 150mm²/s
25mL instrument: 75mm²/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
- 0.2µm membrane filter

Sterile dispensing cartridge installation.

[1] Dispensing cartridge, non-sterile

[2] Dispensing cartridge, sterile

[3] Flexible discharge tube

[4] Valve block cap

[5] 0.2µm Membrane filter

[6] Discharge Tube

Items supplied

Each seripettor® bottletop dispenser includes:

- Spare dispensing cartridge
- Discharge tube
- Telescoping filling tube
- Operating manual
- Two PP adapters, 45/S40mm and 45/33mm. See page 43 for other adapters
- One-year warranty

ORDERING INFORMATION

volume, mL	Subdivision, mL	A* < ± %	CV* ≤ %	Cat. No.	2014 List Price
seripettor®					
NEW! 0.2-2	0.04	1.2	0.2	4720120	$132.00
1-10	0.2	1.2	0.2	4720140	132.00
2.5-25	0.5	1.2	0.2	4720150	167.00

* 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.

A*=Accuracy, CV*=Coefficient of Variation

Description	Photo	Pack of	Cat. No.	2014 List Price
Replacement Parts				
Dispensing cartridge, for 2mL seripettor®, non-sterile	1	3	704500	$45.00
Dispensing cartridge, for 10mL seripettor®, non-sterile	1	3	704502	45.00
Dispensing cartridge, for 25mL seripettor®, non-sterile	1	3	704504	63.00
Dispensing cartridge, for 2mL seripettor®, sterile	2	7	704507	118.00
Dispensing cartridge, for 10mL seripettor®, sterile	2	7	704506	118.00
Dispensing cartridge, for 25mL seripettor®, sterile	2	5	704508	125.00
Flexible discharge tubing for 25mL seripettor® PTFE, 800mm	3	1	704523	114.00
Flexible discharge tubing for 2mL & 10mL seripettor® PTFE, 800mm	3	1	704522	92.00
Discharge tube for 2mL seripettor®	6	1	704518	28.00
Discharge tube for 10mL and 25mL seripettor®	6	1	704520	28.00
Valve block cap for 2mL & 10mL seripettor®, PP	4	1	704552	25.60
Valve block cap for 25mL seripettor®, PP	4	1	704554	25.60
Filling tube for sterile applications, 250mm		1	704536	8.00
Filling tube for sterile applications, 500mm		1	704538	11.20
Membrane filter, 0.2µm, non-sterile	5	10	26535	84.00
Bottles & Adapters				

See detailed listing on page 43

seripettor® *pro* bottletop dispenser

Operating limits and exclusions

Never use this instrument with:

- liquids attacking PP, PE, Al_2O_3 - ceramic, ETFE, FEP, PFA and PTFE (e.g., dissolved sodium azide*)
- liquids attacking borosilicate glass (e.g., hydrofluoric acid)
- liquids which are decomposed catalytically by platinum-iridium (e.g., H_2O_2)
- 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 500mbar
- density up to 2.2g/cm³
- temperature 15° to 40°C (59° to 104°F)
- viscosity

  2mL instrument: 1300mm²/s
  10mL instrument: 150mm²/s
  25mL instrument: 75mm²/s
  (dynamic viscosity [mPas] = kinematic viscosity [mm²/s] x density [g/cm³])

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

Items supplied

Each seripettor® *pro* bottletop dispenser includes:

- Spare dispensing cartridge
- Discharge tube
- Telescoping filling tube
- Two PP adapters, 45/S40mm and 45/33mm. See page 43 for other adapters
- Operating manual
- One-year warranty

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Areas of application / Chemical selection list (as of January 2014)

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: 0114/9.

NOTE: The seripettor® & seripettor® *pro* bottletop dispensers cannot be used with hydrofluoric acid (HF). See page 37 of the BrandTech 2014/2015 catalog for description of the Dispensette® TA Pt-Ir dispenser which is the only BRAND dispenser designed for use with HF.

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