TECHNICAL DATA SHEET

ALab™ DispensMate-Pro Bottle-Top Dispenser

Bottle-top dispenser · 0.5 to 100 mL · five volume ranges · autoclavable at 121°C



ALab™ DispensMate-Pro Bottle-Top Dispenser

The ALab™ DispensMate-Pro bottle-top dispenser; image shown for reference.

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SECTION I

Product Overview

The ALab™ DispensMate-Pro is a bottle-top dispenser for dispensing directly from the bottle, in five volume ranges from 0.5 mL to 100 mL. Every range has a systematic error of ±0.5% and a random error of ±0.2%.

The volume is set and locked on a clear scale, the reagent recovery function reduces reagent waste and prevents dripping, and the aspirating tube adjusts to different bottle heights. The dispenser uses inert materials and a glass/PTFE piston. It is easy to disassemble and clean and is fully autoclavable at 121°C.

SECTION II

Core Advantages

- **Volume** — locking mechanism, clear scale
- **Bottles** — supplied with S40, GL32, GL38, GL25 and GL28 bottle adapters
- **Autoclavable** — 121°C
- **Reagent** — recovery function, no dripping
- **Materials** — inert, glass/PTFE piston
- **Accuracy** — ±0.5% / ±0.2%

SECTION III

Specifications

Technical data — DispensMate-Pro

Specifications	
Brand	ALab™ by ACS Material
Model	DispensMate-Pro
ACS Cat. No.	Parent ALDSPP; ALDSPP01 to ALDSPP05
Product type	Bottle-top dispenser
Volume ranges	0.5 to 5, 1.0 to 10, 2.5 to 25, 5.0 to 50 and 10 to 100 mL
Systematic error	±0.5% (all ranges)
Random error	±0.2% (all ranges)
Materials	Inert materials, glass/PTFE piston
Volume setting	Volume locking mechanism on a clear scale
Reagent recovery	Yes, reduces reagent waste and prevents dripping
Aspirating tube	Adjustable for different bottle heights
Sterilization	Fully autoclavable at 121°C
Adapters supplied	S40, GL32, GL38, GL25, GL28

Volume ranges and accuracy

Volume range (mL)	Graduation (mL)	Syst. error (µL)	Syst. error (%)	Random error (µL)	Random error (%)	ACS Cat. No.
0.5 to 5	0.1	±25	±0.5	±10	±0.2	ALDSPP01
1.0 to 10	0.2	±50	±0.5	±20	±0.2	ALDSPP02
2.5 to 25	0.5	±125	±0.5	±50	±0.2	ALDSPP03
5.0 to 50	1.0	±250	±0.5	±100	±0.2	ALDSPP04
10 to 100	2.0	±500	±0.5	±200	±0.2	ALDSPP05

Adapters and accessories

Accessory	Status
GL32 adapter, 45/32 mm	Supplied
GL38 adapter, 45/38 mm	Supplied
GL25 adapter, 32/25 mm	Supplied
GL28 adapter, 32/28 mm	Supplied
S40 adapter, 45/40 mm	Supplied
Reagent bottle, brown, 1 L	Listed
Filling tube combination	Listed
Discharge tube (for 25, 50 and 100 mL)	Listed
Discharge tube (for 5 and 10 mL)	Listed
Discharge tube combination (for 25, 50 and 100 mL)	Listed
Discharge tube combination (for 5 and 10 mL)	Listed

Scope of delivery

— Standard configuration: DispensMate-Pro bottle-top dispenser of the selected volume range, with S40, GL32, GL38, GL25 and GL28 adapters.

SECTION IV

Applications

Suited to routine dispensing of reagents and solvents directly from the bottle, where a locked volume, low reagent waste and no dripping matter.

Choose the range by the volume dispensed. Check chemical compatibility for the intended reagent and concentration. Specifications are per the tables above.

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