TECHNICAL DATA SHEET

ALab™ DispensMate-Pro Bottle-Top Dispenser

Bottle-top dispenser · five listed configurations spanning 0.5–100 mL · systematic error ±0.5% · random error ±0.2% · fully autoclavable at 121 °C

ACS Material ALab™ DispensMate-Pro Bottle-Top Dispenser

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SECTION I

Product Overview

The ALab™ DispensMate-Pro Bottle-Top Dispenser is a bottle-top dispenser for reagent delivery directly from the bottle. Five configurations are listed, spanning 0.5 mL to 100 mL, each with its own graduation, and every configuration is specified at a systematic error of ±0.5% and a random error of ±0.2%. Listed component materials are inert materials with a glass/PTFE piston, and the dispenser is listed as fully autoclavable at 121 °C. Volume is set and locked on a clear scale, a reagent recovery function reduces reagent waste and helps prevent dripping when not in use, and the aspirating tube is adjustable for different bottle heights. The S40, GL32, GL38, GL25 and GL28 adapters are supplied.

SECTION II

Core Advantages

— Volume locking on a clear scale — a volume-locking mechanism set against a clear scale, for repeatable volume setting

— Inert materials with a glass/PTFE piston — confirm chemical compatibility for the intended reagent and concentration

— Reagent recovery — reduces reagent waste and helps prevent dripping when not in use

— Adjustable aspirating tube — accommodates different bottle heights; easy to disassemble and clean for periodic maintenance

SECTION III

Specifications

Technical data

Specifications	
Type	Bottle-top dispenser
Volume Range	By configuration — see the table below
Working Accuracy	Systematic error ±0.5% · random error ±0.2%
Component Materials	Inert materials, with a glass/PTFE piston
Autoclaving	Fully autoclavable at 121 °C
Volume Setting	Volume-locking mechanism on a clear scale
Reagent Recovery / Aspirating Tube	Reagent recovery function, helps prevent dripping when not in use · aspirating tube adjustable for different bottle heights
Adapters Supplied	S40 · GL32 · GL38 · GL25 · GL28
Dimensions · Weight	Confirm at quotation

Configurations, Cat. Nos. and working accuracy	
0.5–5 mL	Cat. No. 7032212001 · ALDSPP01 · graduation 0.1 mL · systematic ±25 µL · random ±10 µL
1.0–10 mL	Cat. No. 7032212002 · ALDSPP02 · graduation 0.2 mL · systematic ±50 µL · random ±20 µL
2.5–25 mL	Cat. No. 7032212003 · ALDSPP03 · graduation 0.5 mL · systematic ±125 µL · random ±50 µL
5.0–50 mL	Cat. No. 7032111004 · ALDSPP04 · graduation 1.0 mL · systematic ±250 µL · random ±100 µL
10–100 mL	Cat. No. 7032111005 · ALDSPP05 · graduation 2.0 mL · systematic ±500 µL · random ±200 µL

Systematic error is ±0.5% and random error is ±0.2% for all five listed configurations; the table above gives the corresponding absolute microlitre values for each configuration. Each configuration is identified by its Cat. No.; the ALDSPP code is the ACS Material sales SKU for the same configuration.

Scope of delivery

- **ACS sales unit: 1 unit**
- **Reagent bottle: listed as accessory Cat. No. 17400037 (brown, 1 L); package inclusion is confirmed at quotation**
- **Listed accessories include bottle-thread adapters, filling tubes, discharge tubes and discharge-tube combinations; package configuration is confirmed at quotation**
- **Adapters supplied: S40, GL32, GL38, GL25, GL28**
- **Package contents and configuration: confirm at quotation**
- **Options and spare parts: confirm at quotation**

SECTION IV

Applications

Use scenarios supported by the listed product functions include:

- **Reagent dispensing directly from the reagent bottle, across the five listed configurations from 0.5 mL to 100 mL**
- **Workflows where the volume is set and locked on a scale for repeatable delivery**
- **Routines involving periodic disassembly and cleaning, and autoclaving at 121 °C**
- **Reagent bottles of differing height, using the adjustable aspirating tube**

Product value: five listed configurations from 0.5 mL to 100 mL, systematic error ±0.5% and random error ±0.2%, inert component materials with a glass/PTFE piston, full autoclaving at 121 °C, a volume-locking mechanism on a clear scale, a reagent recovery function, an adjustable aspirating tube, and the S40, GL32, GL38, GL25 and GL28 adapters supplied.

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