

TECHNICAL DATA SHEET

ALab™ DispensMate Bottle-Top Dispenser

Manual bottle-top dispenser · six listed configurations spanning 0.5–60 mL · systematic error $\pm 0.5\%$ · liquid-accessible parts autoclavable at 121 °C · ISO 8655 calibration



ACS Material ALab™ DispensMate Bottle-Top Dispenser

CONTENTS

- 01 Product Overview
- 02 Core Advantages
- 03 Specifications
- 04 Applications

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SECTION I

Product Overview

The ALab™ DispensMate Bottle-Top Dispenser is a manual bottle-top dispenser for routine reagent delivery. Six configurations are listed, spanning 0.5 mL to 60 mL, each with its own graduation, and every configuration is specified at a systematic error of $\pm 0.5\%$ and a random error of $\pm 0.2\%$. Listed component materials include PTFE, FEP, BSG and PP, and liquid-accessible parts are fully autoclavable at 121 °C. Volume is set by hand on the graduated barrel, a closure cap on the discharge tube protects the user from exposure to the reagent, and the dispenser is designed to be disassembled and cleaned for periodic maintenance. The S40, GL32, GL38, GL25 and GL28 adapters are supplied; calibration conforms to ISO 8655 (Section III).

SECTION II

Core Advantages

- Chemical-resistant components — made of PTFE, FEP, BSG and PP, inert and high-strength
- Six listed configurations — 0.5–5 mL to 5.0–60 mL, each with its own graduation and error specification
- Liquid-accessible parts autoclavable at 121 °C — easy to disassemble and clean for periodic maintenance
- Adapter set supplied — S40, GL32, GL38, GL25 and GL28, fitting most laboratory reagent bottles

SECTION III

Specifications

Technical data

Specifications	
Type	Manual bottle-top dispenser
Volume Range	By model — see the table below
Working Accuracy	Systematic error $\pm 0.5\%$ · random error $\pm 0.2\%$
Calibration	Conforms to ISO 8655
Component Materials	PTFE, FEP, BSG, PP
Autoclaving	Fully autoclavable at 121 °C — liquid-accessible parts only
Operation	Manual volume setting on the graduated barrel · discharge tube with closure cap
Adapters Supplied	S40 · GL32 · GL38 · GL25 · GL28
Dimensions · Weight	Confirm at quotation

Volume ranges, Cat. Nos. and working accuracy	
0.5–5 mL	Cat. No. 7032100101 · ALDSPM01 · graduation 0.1 mL · systematic $\pm 25 \mu\text{L}$ · random $\pm 10 \mu\text{L}$
1.0–10 mL	Cat. No. 7032100102 · ALDSPM02 · graduation 0.2 mL · systematic $\pm 50 \mu\text{L}$ · random $\pm 20 \mu\text{L}$
2.5–25 mL	Cat. No. 7032100103 · ALDSPM05 · graduation 0.5 mL · systematic $\pm 125 \mu\text{L}$ · random $\pm 50 \mu\text{L}$
2.5–30 mL	Cat. No. 7032100106 · ALDSPM03 · graduation 0.5 mL · systematic $\pm 150 \mu\text{L}$ · random $\pm 60 \mu\text{L}$
5.0–50 mL	Cat. No. 7032200104 · ALDSPM06 · graduation 1.0 mL · systematic $\pm 250 \mu\text{L}$ · random $\pm 100 \mu\text{L}$
5.0–60 mL	Cat. No. 7032100107 · ALDSPM04 · graduation 1.0 mL · systematic $\pm 300 \mu\text{L}$ · random $\pm 120 \mu\text{L}$

Systematic error is $\pm 0.5\%$ and random error is $\pm 0.2\%$ for all six listed configurations; the table above gives the corresponding absolute microlitre values for each configuration. Each configuration is identified by its Cat. No.; the ALDSPM 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
- Available accessories: GL45 adapter, filling tube, discharge tube and discharge-tube combinations; ordered separately as required
- Adapters supplied: S40, GL32, GL38, GL25, GL28
- Package contents and configuration: confirm at quotation
- Options and spare parts: confirm at quotation

SECTION IV

Applications

Typical applications for the ALab™ DispensMate Bottle-Top Dispenser include:

- Pharmacology, biotechnology and healthcare laboratories
- Food and beverage, and chemistry laboratories
- Environmental monitoring
- Academic and research laboratories

Product value: six listed configurations from 0.5 mL to 60 mL, systematic error $\pm 0.5\%$ and random error $\pm 0.2\%$, listed component materials including PTFE, FEP, BSG and PP, liquid-accessible parts autoclavable at 121 °C, calibration conforming to ISO 8655, and the S40, GL32, GL38, GL25 and GL28 adapters supplied.

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