

TECHNICAL DATA SHEET

## ALab<sup>™</sup> DispensMate-Pro Bottle-Top Dispenser

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



ACS Material ALab<sup>™</sup> 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  $\pm 0.5\%$  and a random error of  $\pm 0.2\%$ . 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
- Reagent recovery — reduces reagent waste and helps prevent dripping when not in use
- Inert materials with a glass/PTFE piston — confirm chemical compatibility for the intended reagent and concentration
- 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 $\pm 0.5\%$ · random error $\pm 0.2\%$                                                                     |
| 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**

|                  |                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>0.5–5 mL</b>  | Cat. No. 7032212001 · ALDSPP01 · graduation 0.1 mL · systematic $\pm 25 \mu\text{L}$ · random $\pm 10 \mu\text{L}$   |
| <b>1.0–10 mL</b> | Cat. No. 7032212002 · ALDSPP02 · graduation 0.2 mL · systematic $\pm 50 \mu\text{L}$ · random $\pm 20 \mu\text{L}$   |
| <b>2.5–25 mL</b> | Cat. No. 7032212003 · ALDSPP03 · graduation 0.5 mL · systematic $\pm 125 \mu\text{L}$ · random $\pm 50 \mu\text{L}$  |
| <b>5.0–50 mL</b> | Cat. No. 7032111004 · ALDSPP04 · graduation 1.0 mL · systematic $\pm 250 \mu\text{L}$ · random $\pm 100 \mu\text{L}$ |
| <b>10–100 mL</b> | Cat. No. 7032111005 · ALDSPP05 · graduation 2.0 mL · systematic $\pm 500 \mu\text{L}$ · random $\pm 200 \mu\text{L}$ |

Systematic error is  $\pm 0.5\%$  and random error is  $\pm 0.2\%$  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  $\pm 0.5\%$  and random error  $\pm 0.2\%$ , 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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