

TECHNICAL DATA SHEET

ALab[™] SafeVac Vacuum-Controlled Aspiration System

Vacuum-Controlled Aspiration System • 0–600 mbar • 4 L bottle • level detection



ALab[™] SafeVac Vacuum-Controlled Aspiration System

The ALab[™] SafeVac Vacuum-Controlled Aspiration System. Image shown for reference.

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SECTION I

Product Overview

The ALab™ SafeVac is a safe and efficient system for labs handling critical or biological liquid waste. It is intended for laboratory waste recovery and separation of liquid and solid, for example in cell culture, DNA extraction and microplate waste removal.

A level detection system prevents bottle overfill; the vacuum is set with a control knob and shown by an indicator light. Self-closing connectors avoid escape of drops or aerosols from a disconnected bottle, and the parts in contact with liquids are autoclavable.

SECTION II

Core Advantages

- **Bottle** — 4 L, level detection
- **Connectors** — self-closing
- **Cleaning** — easy to disassemble and clean
- **Vacuum** — 0–600 mbar, knob + indicator light
- **Autoclave** — liquid-contact parts
- **Stand** — bottle transfer, hand operator

SECTION III

Specifications

Technical data — SafeVac

Specifications	
Brand	ALab™ by ACS Material
Model	SafeVac
SKU #	ALSAFV00
Product Type	Vacuum-controlled aspiration system
Vacuum range	0–600 mbar
Max. flow	15 L/min (air)
Max. aspiration speed	17 mL/s (liquid)
Bottle	4 L
Autoclave component	Tube; waste bottle; operation handle
Noise level	≤55 dB
Input voltage	100–240 VAC, 50/60 Hz
Dimensions [W×D×H]	180×240×450 mm
Weight	3 kg

Adapters — SafeVac

Adapters	
Letter	Adapter / item
A	8-channel tip detrusion adapter 200µL tip
B	8 channel needle Ø1.5mm
C	Single needle Ø2.5mm, 40mm
D	Single needle Ø2.5mm, 120mm
E	Single needle Ø1.5mm, 40mm
F	Single needle Ø1.5mm, 120mm
G	tip detrusion adapter 200µL tip
H	tip detrusion adapter 1mL tip
I	SafeVac Handle bracket
J	Handle Hoop (Vacuum Aspirator)

Wide range of adapters to fit well with different tubes, microplate and disk plate, all of which can be fully autoclaved (at 121 °C, 1 bar for 20 minutes; after autoclaving the equipment must be cooled down before use).

SECTION IV

Applications

The SafeVac is intended for laboratory waste recovery and separation of liquid and solid. It can be widely used in cell culture, DNA extraction, microplate waste removal, and any other liquid separation or recovery; the brochure names it the best replacement for the common vacuum pump, for all kinds of waste liquid recovery, especially biological, chemical and radioactive liquids.

Product value: level detection system that prevents bottle overflow, vacuum control knob with indicator light, self-closing connectors, autoclavable liquid-contact parts, easy to disassemble and clean, and a wide range of adapters.

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