

TECHNICAL DATA SHEET

ALab™ EcoVac Economical Vacuum Aspirator

Vacuum Aspirator · 0–500 mbar · 2 L standard bottle · brushless motor



ALab™ EcoVac Economical Vacuum Aspirator

The ALab™ EcoVac Economical Vacuum Aspirator. Image shown for reference.

CONTENTS

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

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SECTION I

Product Overview

The ALab™ EcoVac is a small, compact and easy to use system for the convenient handling of liquid waste disposal. It is suitable for any application where the single liquid suction volume is less than 2 L, for example the removal of supernatants, culture media and wash solutions.

It switches easily between manual aspiration and two-level adjustable continuous aspiration, has an adjustable vacuum level with indicator light, a collection bottle outlet with hydrophobic filter and a brushless motor; the bottle is 2 L standard, 1 L optional with adaptor.

SECTION II

Core Advantages

- **Footprint** — fits cabinet, benchtop, beneath bench
- **Vacuum** — 0–500 mbar, adjustable, indicator light
- **Motor** — brushless, low noise, long life
- **Aspiration** — manual or two-level continuous
- **Filter** — hydrophobic, at bottle outlet
- **Autoclave** — liquid-contact parts

SECTION III

Specifications

Technical data — EcoVac

Specifications	
Brand	ALab™ by ACS Material
Model	EcoVac
SKU #	ALECV00
Product Type	Economical vacuum aspirator
Vacuum range	0–500 mbar
Max. flow	15 L/min (air)
Max. aspiration speed	17 mL/s (liquid)
Bottle	2 L standard; 1 L optional with adaptor
Motor type	Brushless motor
Input voltage	100–220 VAC, 50/60 Hz
Dimensions [W×D×H]	180×240×340 mm
Weight	2.8 kg

Adapters — EcoVac

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	1L bottle fitting
J	1L collection bottle
K	Handle Hoop (Vacuum Aspirator)

SECTION IV

Applications

The EcoVac is suitable for any application where the single liquid suction volume is less than 2 L: aspiration of supernatants after centrifugation, aspiration of eluent, removal of supernatants during nucleic acid extraction, removal of culture media, removal of wash solutions from immuno-assay well-plate, removal of buffers of Western blot strips, and removal of excess liquid from slides and Petri dishes.

Product value: small and compact, manual or continuous aspiration (two levels), adjustable vacuum with indicator light, hydrophobic filter at the collection bottle outlet, brushless motor, autoclavable liquid-contact parts and different adapters for a multitude of laboratory supplies.

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