TECHNICAL DATA SHEET

ALab™ SH-P4 Microplate Shaker

Microplate shaker · 4 plates · 200 to 1500 rpm · 3 mm horizontal rotation



ALab™ SH-P4 Microplate Shaker

The ALab™ SH-P4 Microplate Shaker; image shown for reference.

CONTENTS

01 Product Overview
02 Core Advantages
03 Specifications
04 Applications

ACS MATERIAL, LLC

959 E Walnut St., Suite 100
Pasadena, CA 91106, USA

Phone +1 (866) 227-0656
Fax +1 (781) 518-0284

contact@acsmaterial.com

Revision Date **10/22/2026**

SECTION I

Product Overview

The ALab™ SH-P4 Microplate Shaker provides stable, reliable and regular shaking of up to four microplates, cell culture plates or deep well plates, with a speed range of 200 to 1500 rpm, a 3 mm horizontal rotation amplitude and a timer from 1 min to 99 h 59 min.

Gentle shaking keeps the contents in the wells without overflow, while more powerful shaking mixes the small surface area of each well. The shaker is designed specifically for microplates, can be used on the bench or inside an incubator, and has a maintenance-free brushless motor and an LED display with precise countdown.

SECTION II

Core Advantages

- **Motor** — brushless, maintenance-free
- **Control** — speed and time from the panel
- **Loading** — open tray, quick clamping
- **Throughput** — up to 4 plates
- **Display** — LED, precise countdown
- **Use** — bench or incubator

SECTION III

Specifications

Technical data — SH-P4

Specifications	
Brand	ALab™ by ACS Material
Model	SH-P4
SKU #	Parent ALSHP40F; ALSHP400
Product type	Microplate shaker
Sample capacity	4 microplates, cell culture plates or deep well plates
Speed range	200 to 1500 rpm
Shaking amplitude	3 mm, horizontal rotation
Time range	1 min to 99 h 59 min
Operation	Continuous, short or timed
Display	LED (speed and time)
Motor	Brushless
Power	80 W
Power supply	100 to 240 V, 50/60 Hz
Dimensions (L × W × H)	340 × 210 × 145 mm
Weight	5 kg

Scope of delivery

- Standard configuration: SH-P4 main unit with the standard loading platform for 4 plates.

SECTION IV

Applications

Life sciences: immunoassays, ELISA plate shaking, flow cytometry staining, RNA extraction from serum and milk by magnetic bead shaking, 96-well plate pretreatment for LC-MS/MS and plate shaking for library preparation.

Food and beverages: determination of histamine in cheese and of vitamins in milk. Widely used in immunology, biotechnology and microbiology.

Revision Date: 10/22/2026

DISCLAIMER

ALab™ is a trademark of ACS Material, LLC. ACS Material, LLC believes that the information in this Technical Data Sheet is accurate and represents the best and most current information available to us. ACS Material makes no representations or warranties, either express or implied, regarding the suitability of the equipment for any application or the accuracy of the information contained within this document. Specifications are typical and may vary by model; assess product details and application suitability for the intended use. Accordingly, ACS Material will not be responsible for damages resulting from use of or reliance upon this information.