TECHNICAL DATA SHEET

ALab™ SK-D Series 3D Shaker

3D shakers · two models · fixed tilt angle · 1 min to 99 h 59 min timer



ALab™ SK-D Series 3D Shaker

The ALab™ SK-D Series 3D shakers; image shown for reference.

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SECTION I

Product Overview

The ALab™ SK-D Series provides gentle three-dimensional shaking at a fixed tilt angle on an anti-slip silicone disc surface, with adjustable rotational mixing speed and a time settings range of 1 min to 99 h 59 min. It comprises the SK-D3309-Pro large multifunctional 3D shaker and the SK-D1810-S intelligent 3D shaker.

The SK-D3309-Pro tilts at 9°, runs at 10 to 70 rpm and carries up to 5 kg with platform; the SK-D1810-S tilts at 10°, runs at 10 to 80 rpm and carries up to 2 kg. Both are incubator compatible, and various platform accessories are available for the SK-D3309-Pro.

SECTION II

Core Advantages

- **Motion** — gentle 3D, fixed tilt angle
- **Speed** — adjustable, 10 to 80 rpm
- **Use** — incubator compatible
- **Surface** — anti-slip silicone disc
- **Display** — independent time and speed
- **SK-D3309-Pro** — platform accessories

SECTION III

Specifications

Technical data — SK-D Series

Specifications	
Brand	ALab™ by ACS Material
Series	SK-D Series 3D shakers
Models	SK-D3309-Pro, SK-D1810-S
ACS Cat. No.	Parent ALSKD; ALSKDO00, ALSKDS00
Motion	Three-dimensional, fixed tilt angle
Motor type	DC motor (both models)
Time settings range	1 min to 99 h 59 min
Voltage, frequency	100 to 240 V, 50/60 Hz
Ambient temperature and humidity	5 to 40°C, 80% RH

Model comparison — SK-D Series

Parameter	SK-D3309-Pro	SK-D1810-S
Tilt angle	9°	10°
Max. load capacity (with platform)	5 kg	2 kg
Speed range	10 to 70 rpm	10 to 80 rpm
Speed / timer display	LCD / LCD	LED / LED
Plate size (series overview)	30 × 28.5 cm	26.8 × 26.8 cm
Motor input / output power	40 W / 24 W	16 W / 10 W
Power	50 W	20 W
Weight	9 kg	3.7 kg
Dimension [W × D × H]	360 × 430 × 106 mm	294 × 348 × 170 mm
Protection class	IP21	IP21

Optional platforms and attachments (SK-D3309-Pro)

Accessory	Size / capacity	Fits
SK330.1 universal attachment with 4 bars	32 × 32 cm; flasks: 25 mL × 21, 50 mL × 15, 100 mL × 12, 250 mL × 6, 500 mL × 4	SK-D3309-Pro
Bar for SK330.1 universal attachment	Spare bar	SK-D3309-Pro
SK330.2 fixing clip attachment	32 × 32 cm; takes the flask fixing clips	SK-D3309-Pro
Fixing clips for 25, 50, 100, 200/250 and 500 mL flasks	Per SK330.2: 28, 16, 16, 9, 9	SK-D3309-Pro
SK330.3 lengthways roller attachment	For separation funnel extraction; 500 mL × 3, 250 mL × 4, 100/125 mL × 4, 50 mL × 5	SK-D3309-Pro
SK330.5 dish platform with non-slip mat and fixed string (8 pcs)	30 × 28.5 cm	SK-D3309-Pro
Silicone mattresses for 16 × 5 to 15 mL or 6 × 50 mL tubes	Used with SK330.5	SK-D3309-Pro
SK330.8 sticky pad	28.4 × 29.6 cm; operating speed 0 to 220 rpm	SK-D3309-Pro
Connecting sticks for double-dish shakers		SK-D3309-Pro

SECTION IV

Applications

Uniform shaking and mixing in flasks, culture flasks, petri dishes and tubes; suited to cell culture, DNA extraction, cell distribution, and gel staining and destaining.

Both models are incubator compatible. Specifications are per the tables above.

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