

Multi Bio 3D, Programmable mini-shaker

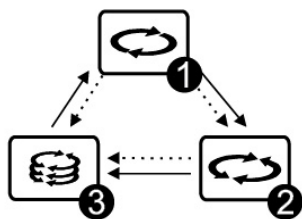


DESCRIPTION

Programmable mini-shaker **Multi Bio 3D** is designed for a variety of applications: hybridization reactions, cell growing, gel washing, soft extraction and homogenisation of biological components in solutions.

Multi Bio 3D provides realization of several types of motion in one module. This option of Biosan instruments essentially extends possibilities and enhances efficiency of preparation of test samples as well as allows selecting the mixing type according to individual requirements.

Microprocessor control allows performing not only (1) **Orbital 3D rotation** of the platform, but also (2) **(Reciprocal 3D motion** (of ping-pong type) as well as (3) **Soft vibrating rocking**. These three motion types can be performed separately, pairwise and in cycles, periodically repeating the sequence of three motion types. The shaker is designed for laboratories with increased demands for quality of mixing, extraction and cell growing processes.



Non-slip, temperature resistant, silicone mat located on the shaker platform provides stable position for vessels during shaking. Optional dimpled PDM mat fixes tubes of different sizes. Programmable shaker can be used in cold rooms or incubators, operating at ambient temperature range +4°C to +40°C. Optional dimpled mat **PDM** prevents different size tubes from rolling around the platform.



CAT. NR.

SPECIFICATION

Speed control range	1 - 100 RPM (Orbital and reciprocal motion) (1) (2)
Turning angle	0°-360° (increment 30°) (Reciprocal motion) (2)
Rocking angle	0°-5° (increment 1°) (Vibro motion) (3)

	Multi Bio 3D incl. standard platform Bio PP-4S & external power supply unit
BS-010125-AAG	230VAC 50/60Hz Euro plug
BS-010125-AAK	230VAC 50/60Hz UK plug
BS-010125-AAK	230VAC 50/60Hz AU plug
BS-010125-AAK	100VAC 50/60Hz US plug
BS-010125-AAK	120VAC 60Hz US plug
-----	Optional accessories
PDM	PDM, dimpled mat
BS-010125-BK	IQ OQ document
BS-010125-CK	PQ document
-----	Replacement parts

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Fixed platform tilt angle	7°
Orbit	22 mm
Platform working area	215x215 mm
Non-slip silicone mat is supplied as standard	+
Maximum continuous operation time	24 hours
Time setting range for (1) (2)	0-250 sec
Time setting range for (3)	0-5 sec
Number of cycles	0 - 125 times
Maximum load	1 kg
Overall dimensions (W×D×H)	235x235x140 mm (with platform)
Weight	1.8 kg
Input current/power consumption	12 V, 380 mA / 4.6 W
External power supply	Input AC 100-240 V; 50/60 Hz; Output DC 12 V

BS-010125-AK

Bio PP-4S, detachable platform with non-slip thermoresistant silicone mat