Biosan SIA, Ratsupites iela 7 k-2, Riga, Latvia, LV-1067
E-mail: marketing@biosan.lv, www.biosan.lv
Phone:+37167426137

Multi Bio 3D, Programmable mini-shaker

Premium Product Class

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.



SPECIFICATIONS

Speed control range	1 - 100 RPM (Orbital and reciprocal motion) (1) (2)
Timer sound signal	+
Turning angle	0°–360° (increment 30°) (Reciprocal motion) (2)
Rocking angle	0°–5° (increment 1°) (Vibro motion) (3)
Direct drive mechanism	+
Fixed platform tilt angle	7°
Maximum continuous operation time	168 h
Orbit	22 mm
Display	LCD, 16 x 2 signs
Maximum load	1 kg
Non-slip silicone mat is supplied as standard	+
Time setting range for (1) (2)	0-250 sec
Time setting range for (3)	0-5 sec
Number of cycles	0 - 125 times
Platform working area	215x215 mm
Overall dimensions (W×D×H)	235x235x140 mm
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

CAT. NUMBER

BS-010125-AAG	230VAC 50/60Hz Euro plug
BS-010125-AAK	100-240VAC 50/60Hz Multi plug (EU, UK, AU, US)
BS-010125-BK	IQ OQ document
BS-010125-CK	PQ document



PDM
PDM
dimpled mat

Dimpled mat PDM prevents different size tubes from rolling around the platform.