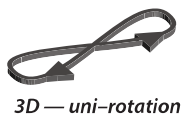
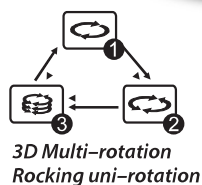


Multi Bio 3D, Programmable 3D "Sunflower" Shaker



Multi Bio 3D with PDM mat



PDM, dimpled mat



Programmable Shaker **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.

The **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.

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 rubber mat located on the shaker platform provides stable position for vessels during shaking.

Programmable shaker can be used in cold rooms or incubators, operating at ambient temperature range +4°C to +40°C. Low voltage external power supply (12 V) provides electrical safety in humid environment.

Specifications:

① Speed control range (Orbital and reciprocal motion)	1–100 rpm
② Turning angle (Reciprocal motion)	0°–360° (increment 30°)
③ Rocking angle (Vibro motion)	0°–5° (increment 1°)
Fixed platform tilt angle	7°
Orbit	22 mm
Platform working area	200 × 200 mm
Non-slip rubber 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
Maximum load	1 kg
Overall dimensions (W × D × H) with platform installed	235 × 235 × 140 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

Accessories for the standard platform:

Optional dimpled mat PDM prevents different size tubes from rolling around the platform

Catalogue number:

Multi Bio 3D with stand. platform Bio PP-4S	BS-010125-AAG
PDM	PDM