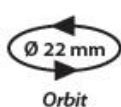
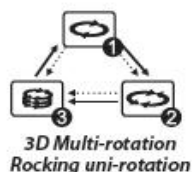


## Multi Bio 3D, Programmable "3D Sunflower" Shaker

Medical-Biological  
Research & Technologies



Product video is available  
on the website

Multi Bio 3D with a TP-26 adapter



**B** PDM



**A** Adapter TP-26



Multi-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-shaker 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.

Shaker can be used in cold rooms or incubators, operating at ambient temperature range +5°C to +40°C. Low voltage external power supply (12 V) provides electrical safety in humid environment.

### Specifications:

<b>1 2</b> Speed range (Orbital and reciprocal motion)	1–100 rpm
<b>2</b> Turning angle (Reciprocal motion)	0°–360° (step 30°)
<b>3</b> Rocking angle (Vibro motion)	0°–5° (step 1°)
Fixed platform tilt angle	7°
Orbit diameter	22 mm
Platform working area	200 x 200 mm
Non-slip rubber mat is supplied as standard	
Timer for orbital and reciprocal motion	0–250 sec
Timer for vibro motion	0–5 sec
Number of cycle repetitions	0–125 times
Maximum load	1 kg
Overall dimensions	235 x 235 x 140 mm
Weight, not more	2 kg
External power supply	DC 12 V, 500 mA

### Accessories for the standard platform:

- A** Optional adapter TP-26 for 26 tubes up to 11 mm Ø
- B** Optional dimpled mat PDM prevents different size tubes from rolling around the platform

### Catalogue number:

<b>Multi Bio 3D</b> with stand, platform	BS-010125-AAG
<b>A</b> TP-26	BS-010105-AK
<b>B</b> PDM	PDM