

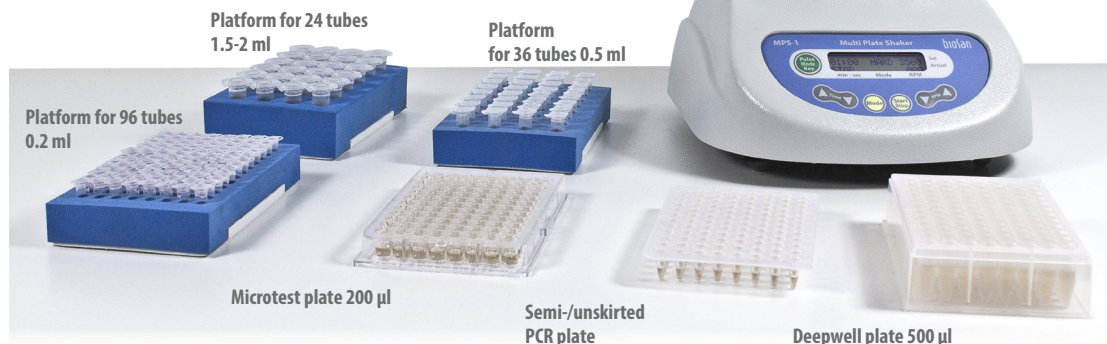
MPS-1, High-Speed Multi Plate Shaker-Vortex

Shaker-Vortex for Various Applications

Release in April 2013

Deepwell plate 1000 µl

New!



High-Speed Multi Plate Shaker-Vortex **MPS-1** can be used in virtually any application by providing adjustable mixing of reagents in microtest plates, PCR plates, deepwell plates and test tubes (shaking tubes 0.2 to 2 ml and vortexing any volume up to 50 ml).

The shaker is compact and user-friendly. The shaker is ideal for personal use.

MPS-1 features a head for vortexing a single tube.

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.



Product video is available
on the website

MPS-1 features **Pulse Mode** mixing function that works on the principle of giving a periodic impulse: the tube is accelerated to the set speed, holds it for 3 seconds and then drops the speed to zero. This motion is repeated until the timer runs out. This method provides a constant state of resuspension of the particles inside a tube, as the acceleration is always changing. The advantage of this method is the high throughput of mixed samples compared to vortexing a single tube.

Features:

Speed control range	300–3,200 rpm
Smooth mixing with 3 mm orbit	
Mixing presets	
Pulse Mode mixing function	
Quiet operation — low noise at maximum speed	
High stability — stationary at maximum speed	
Universal platform holder for Deepwell plates and Microtest plates	
Additional platforms for semi- and unskirted PCR plates as well as for tubes from 0.2 to 2 ml	
Can be used in cold rooms or incubators (temperature range +4°C to +40°C)	

Platform for semi-/
unskirted PCR plate



For catalogue numbers and updates check the website: www.biosan.lv

Specifications:

Mixing Speed control range	300–3,200 rpm (100 rpm increment)
Platform options	Microtest plate (U, V or flat-bottomed) or PCR plate (96-wells 150 µl, 384-wells, 45 µl, fully-/semi-/unskirted) or Deepwell plate (250 / 500 / 1,000 / 2,000 µl) For microtest tubes for 0.2, 0.5, 1.5, 2 ml
Types of mixing presets:	
VORTEX	3,200 rpm
HARD	2,600 rpm
MEDIUM	1,800 rpm
SOFT	1,000 rpm
CUSTOM	adjustable rpm
Features a Pulse Mode mixing function	
Features a Vortex function	
Mixing Orbit	3 mm
Acceleration time to maximum speed	5 sec
Timer with sound alarm	1–60 min / non-stop (increment 15 sec)
Noise level, not more	50 dB
Weight	4.7 kg
Overall dimensions (W×D×H)	234×220×150 mm
Input current/power consumption	12 V, 1.25 A / 5 W
External power supply	Input AC 100–240 V 50/60 Hz; Output DC 12 V

Vortexing a 50 ml tube



Vortexing a 15 ml tube



Examples of possible applications

Deepwell plate
1000 µl



Deepwell plate
500 µl



Microtest plate
200 µl



Platform for 24 tubes
1.5–2 ml



Platform for
32 tubes 0.5 ml



Platform for 96 tubes
0.2 ml or semi-/unskirted PCR plate



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