



**Wolflabs**

# Wolf Laboratories Limited

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The Grant-bio PMS-1000 microplate shaker provides reliable, regulated shaking for two or four microplates. With a speed range of 150 to 1000 rpm, the PMS-1000 can be adjusted to suit the application – gentle shaking to ensure that the well contents are not ejected, or more vigorous agitation for effective aeration across the small surface area of each of the wells.

Speed setting is simple, using a graduated dial. Operation may be continuous or timed, with the integral electronic timer ensuring an accurate count-down for repeatability of time-sensitive incubations. Timer setting is straightforward, and the LCD status display clearly indicates time remaining.

Designed to meet the challenge of workspace restrictions, the Grant-bio microplate shaker is compact, with a low profile and small footprint, for personal application. It is also extremely quiet. Simple screw attachments allow quick and easy fitting of any standard depth 96- or 384-well plates, holding the plates securely in place.

The PMS-1000 is robust and reliable, designed for long-term operation.

- variable speed, horizontal microtitre plate shaker
- variable speed: 150 to 1000 rpm
- orbit: 2mm
- integral timer, 1 min to 24 hours, with automatic switch-off
- standard platform for two microplates, optional accessory platform for four microplates
- low voltage power supply enables safe cold room operation
- operating ambient temperature range 4°C to 45°C, for use in a cold room or incubator
- low energy consumption

#### Accessories

MPP-4 platform to accommodate 4 microtitre plates; allows shadow-free positioning of all four plates; screw fittings for ease and speed of plate installation, to retain the plates securely in position.



#### Applications

Suitable for mixing, incubation and cultivation of biological and chemical components in many fields, including microbiology, cell and molecular biology, pharmacology, immunology, medicine, biotechnology. Specific applications include:

- immunoassays
- HTS applications
- colouration tests
- binding of template DNA to silica-coated magnetic beads

Benefits of the efficient PMS-1000 microplate shaker are many and varied, including:

- cure of low signal, caused by inadequate resuspension of purified PCR products
- ensuring the correct optical density in each of the wells
- achieving maximum yield and quality in production of plasmid DNA

#### Specification

		<b>PMS-1000</b>
speed	rpm	150 to 1000
orbit	mm	2
footprint	w/d	mm 175/185
overall height	mm	90
ambient temperature range	°C	4 to 45
capacity		2 microplates standard 4 microplates optional platform MPP-4
timer		1 min to 24 hrs
time setting resolution	sec	10
input voltage	V	12
input type		dc
input current	A	0.5