

Mixing

Shakers, Rotational and Rocking

Multifunction 3 Dimensional Rotators, PS-M3D

Grant



The PS-M3D is a fixed angle, variable speed, multifunction 3D rotator providing variable mixing options in a compact unit. Applications include immunoprecipitation, tissue culture treatments, gel staining, destaining, antibody staining, washes, hybridisations, and blots. The stepper motor produces regulated and reproducible rotating throughout the speed range. The PS-M3D provides all that is needed for mixing different sized particles:

3D orbital	long wave	required by large particles
Reciprocal	long and medium wave	ideal for large to medium particles
Vibration	short wave	suits small particles

Combining different phases in a customised sequence gives the following possible combinations: 3D orbital; 3D reciprocal; 3D vibration; 3D orbital and reciprocal; 3D orbital and vibration; 3D orbital and reciprocal and vibration; 3D reciprocal and vibration. An individual program may be configured for any different combination of components to ensure optimum mixing conditions.

- Multi-function: rotation, reciprocation and vibration
- All actions can be set for continuous or timed operation
- Individual phases can be linked together for flexibility
- Can be used at 4 to 40 °C (80% relative humidity, non-condensing), in an incubator or cold room

Shaking Motion	3D Orbital, reciprocal, vibration
Speed (min ⁻¹)	5 to 30
Angle (°)	7
Orbit (mm)	22
Turning Angle (°)	reciprocal mode vibration mode
	1 to 360 1 to 6
Timer (s)	orbital/reciprocal mode vibration mode
	1 to 250 1 to 5
Number of Cycles	1 to 125
Maximum Load (kg)	1
Platform Size WxD (mm)	215x215
Power Input	External power supply: 12 V, 500 mA
WxDxH (mm)	225x170x125
Weight (kg)	2



Ordering Information: Supplied with non-slip mat, optional dimpled mat is available separately.

Description	Pk	Cat. No.
Multifunction 3 dimensional rotators, PS-M3D	1	444-0353

Accessories

Description	for	Pk	Cat. No.
Dimpled mat	preventing tubes from rolling around	1	444-0338
Tube adaptor	26 tubes up to 11 mm Ø	1	444-0355

Waste management services

As a licensed waste broker VWR are able to provide end-to-end waste solution services.

We specialise in the removal and safe disposal of:

- laboratory chemicals
- gas cylinders
- chemical packaging
- radioactive waste
- electrical equipment
- and associated research equipment

For more details contact VWR Services Department on 01455 207 305 or email services@uk.vwr.com

