

# MSC-2P, Minicentrifuge-Vortex for PCR plates

## DESCRIPTION

MSC-2P is a compact sized digital centrifuge intended to collect droplets, mix reagents and collect once more for improved PCR yield in subsequent analysis. The combination of spin-mix functions ensures fast operation, thorough mixing and repeatable results. Centrifuge rotor can accommodate 2 unskirted or semi-skirted PCR plates at the same time, thus saving time considerably.

MSC-2P is possible to operate in 4 independent modes:

- Centrifuge — Max. 3500 RPM
- Vortex — up to 5 min.
- Centrifuge/Vortex — combined two motion types
- Spin-mix-spin algorithm — up to 10 cycles

The spin-mix-spin algorithm (SMS-algorithm) is designed to collect (or reset) micro volumes of reagents to the bottom of the PCR plate tubes (the first centrifugation or spin), then vortexing (mix) and re-collecting reagents (repeated spin) from the walls and cover. This repetitive algorithm of operations, aimed at reducing sample preparation errors, we call the SMS algorithm.

Compatible plates:

- Semi-skirted 96-well plates:
  - up to 8-8.5mm - use MSC-2P-1 or MSC-2P-2 adapter set provided with device,
  - up to 9-10mm high.
- Unskirted 96-well Plates:
  - 1.2mm thick - use MSC-2P-1 adapter set,
  - 2mm thick - use MSC-2P-2 adapter set.
- 384-well plates up to 10 mm.

## SPECIFICATIONS

SMS-cycle regulation	1 - 10 cycles
Speed regulation range	500–3500 rpm
Max. RCF	610 x g
Setting resolution	100 rpm
Display	LCD, 2 x 16 signs
Centrifugation mode time range	0–10 min (increment 1 s; after 1 min - 1 min)
Vortex mode time range	0–5 min (increment 1 s; after 1 min - 1 min)
Overall dimensions (W×D×H)	165 × 220 × 230 mm
Weight	2.7 kg
Input current/power consumption	12 V, 2 A / 24 W
External power supply	Input AC 100–240 V; 50/60 Hz; Output DC 12 V



## CAT. NUMBER

BS-010204-A02	100-240VAC 50/60Hz Multi plug (EU, UK, AU, US)
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