

# MSC-2P, Centrifuge/Vortex for PCR plates ANNOUNCEMENT

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 PCR plates at the same time, thus saving time considerably.

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

- Centrifuge — Max. 1500 RPM
- Vortex — soft, medium, hard
- 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.

SPECIFICATIONS

Capacity	2 × 96 well PCR microplates, non-skirted
Centrifugation mode	1000–1500 RPM
Relative centrifugal force	Up to 100 g
Centrifugation timer	1 s – 30 min
Vortexing mode	Full rotor
Vortexing intensity	Soft, medium, hard
Vortexing timer	0–20 s
SMS-cycle regulation	1–10 cycles
Protection	Lid
Display	LCD, 2x16 symbols
Dimensions, (WxDxH)	140x170x223 mm
Weight	1.9 kg
Input current/power consumption	24 V, 1 A/24W
External power supply	Input AC 100–240 V 50/60 Hz; Output DC 24V



**Place of centrifuge/vortex MSC-2P in sample preparation stages for PCR analysis.**

