

MSC-3000, Centrifuge/Vortex Multispin



DESCRIPTION

Centrifuge/vortex Multi-Spin **MSC-3000** is product of many years evolution of Spin-Mix-Spin technology that is intended for collecting micro volumes of reagents on the microtube's bottom (first centrifugation spin), following mixing (mix) and collecting the reagents again from the walls and cap of the microtube (second spin). We named this repetitive algorithm of operation that is aimed at reducing the mistakes during sample preparation for PCR analysis a "sms-algorithm".

Multi-Spin is a fully automatic device for reproducing sms-algorithm for 12 tubes at one time, thus saving time considerably. A must-have instrument for PCR and DNA analyses laboratory.

Multi Spin is four devices combined in one:

1. Centrifuge — Maximum RCF: up to 800 x g
2. Vortex (3 mixing modes — soft, medium, hard; regulated time; Vortexing regulation timer 1–20 sec)
3. Centrifuge/Vortex;
4. SMS-cycler for realization of the "sms-algorithm".

Table to the left compares FVL-2400N, **MSC-3000** and MSC-6000 Multi-Spin allows considerable time saving compared to Combi-Spin by automatically performing cycling program of sample mixing and spinning according to the set spin-mix-spin cycle for 12 microtubes simultaneously.



SPECIFICATION

Speed control range	1000–3500 rpm (increment 100 rpm)
RCF max.	800 x g
Spin timer	1 s – 99 min
Vortexing intensity	Soft, medium, hard
Vortexing time	0–20 s (increment 1 s)
SMS-cycle regulation	1 - 999 cycles
Display	LCD, 2 x 16 signs
Safety	Autostop at open lid
Overall dimensions (W×D×H)	190x235x125 mm
Weight	2.1 kg
Input current/power consumption	12 V, 11 W (0.9 A)
External power supply	Input AC 100–240 V; 50/60 Hz; Output DC 12 V

CAT. NR.

	MSC-3000 incl. rotors R-1.5, R-0.5/0.2 & external power supply unit
BS-010205-AAN	230VAC 50/60Hz Euro plug
BS-010205-AAK	230VAC 50/60Hz UK plug
BS-010205-AAK	230VAC 50/60Hz AU plug
BS-010205-AAK	100VAC 50/60Hz US plug
BS-010205-AAK	120VAC 60Hz US plug
-----	Optional accessories
BS-010205-CK	Rotor R-2/0.5
BS-010205-DK	Rotor R-2/0.5/0.2
BS-010202-AK	Rotor SR-16
BS-010205-FK	Rotor SR-32

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BS-010205-EK	IQ OQ document
BS-010205-GK	PQ document
-----	Replacement parts
BS-010205-AK	Rotor R-1.5
BS-010205-BK	Rotor R-0.5/0.2

ACCESSORIES



R-1.5
rotor for 12 x 1.5/2 ml microtest tubes



R-0.5/0.2
rotor for 12 x 0.5 ml and 12 x 0.2 ml microtest tubes



R-2/0.5
rotor for 8 x 2/1.5 ml + 8 x 0.5 ml microtest tubes



R-2/0.5/0.2
rotor for 6x2/1.5 ml + 6x0.5 ml + 6x0.2 ml microtest tubes

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SR-16

rotor for 2 x 8-section 0,2 ml microtube strips



SR-32

rotor for 4 x 8-section 0,2 ml microtube strips * not compatible with Multi-Spins produced before 2015