

# MSC-6000, Centrifuge/Vortex Multi-Spin

## DESCRIPTION

Centrifuge/vortex Multi-Spin **MSC-6000** 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  $2350 \times g$
2. Vortex (3 mixing modes — soft, medium, hard; regulated time; Vortexing regulation timer 1–20 s)
3. Centrifuge/Vortex;
4. SMS-cycler for realization of the "sms-algorithm".

Table on the right 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.

## SPECIFICATIONS

Speed control range	1000–6000 rpm (increment 100 rpm)
RCF max.	2350 x g
Spin timer	1 s - 30 min
Vortexing intensity	Soft, medium, hard
Vortexing time	0–20 s (increment 1 s)
SMS-cycle regulation	1 - 999 cycles
Timer sound signal	+
Display	LCD, 2 x 16 signs
Safety	Lid lock
Overall dimensions (W×D×H)	190x235x125 mm
Weight	2.5 kg
Input current/power consumption	24 V, 24 W (1 A)
External power supply	Input AC 100–240 V; 50/60 Hz; Output DC 24 V



## CAT. NUMBER

Including rotors R-1.5, R-0.5/0.2	Including rotors R-1.5, R-0.5/0.2
BS-010211-AAL	230VAC 50/60Hz Euro plug
BS-010211-AAQ	230VAC 50/60Hz UK plug
BS-010211-AA4	230VAC 50/60Hz AU plug
BS-010211-AAU	100VAC 50/60Hz US plug
BS-010211-AAM	120VAC 60Hz US plug
BS-010211-CK	IQ OQ document
BS-010211-DK	PQ document



**R-0.5/0.2**  
BS-010205-BK  
rotor

Rotor for 12 x 0.5 ml and 12 x 0.2 ml microtest tubes



**R-1.5**  
BS-010205-AK  
rotor

Rotor for 12 x 1.5/2 ml microtest tubes



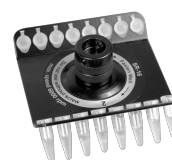
**R-2/0.5**  
BS-010205-CK  
rotor

Rotor for 8 x 2/1.5 ml and 8 x 0.5 ml microtest tubes



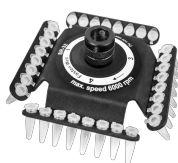
**R-2/0.5/0.2**  
BS-010205-DK  
rotor

Rotor for 6x2/1.5 ml + 6x0.5 ml + 6x0.2 ml microtest tubes



**SR-16**  
BS-010202-AK  
rotor

Rotor for 2 x 8-section 0.2 ml microtube strips



**SR-32**  
BS-010205-FK  
rotor

Rotor for 4 x 8-section 0.2 ml microtube strips

\* not compatible with Combi-Spins produced before 2015