

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

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| 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.

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|---------------|---|
| | 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 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 2.0 ml + 8 x 0.5 ml microtest tubes



R-2/0.5/0.2
rotor for 6x2,0 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