

Centrifuge + Vortex MSC

Description

Centrifuge/vortex Multi-Spins MSC-3000 and MSC-6000 are products of many years evolution of Spin-Mix-Spin technology (SMS) 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).

This repetitive algorithm of operation that is aimed at reducing the mistakes during sample preparation for PCR analysis is named 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.

Specifications

Multi Spin is four devices combined in one:

1. Centrifuge — Maximum RCF:
MSC-3000: up to $800 \times g$
MSC-6000: up to $2,350 \times g$
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".



MSC-6000



MSC-3000



Centrifuge MSC with rotor R-1.5

Centrifuge + Vortex MSC

Technical Data

Model	MSC-3000	MSC-6000
Speed control range	1.000 – 3.500 rpm increment 100 rpm	1.000 – 6.000 rpm increment 100 rpm
RCF max.	800 x g	2.350 x g
Spin timer	1 sec – 99 min	1 sec – 30 min
Vortexing intensity	Soft, medium, hard	
Vortexing time	0 – 20 sec (increment 1 sec)	
SMS-cycle regulation	1 – 999 cycles	
Timer sound signal	Yes	
Display	LCD, 2 x 16 signs	
Safety	Autostop at open lid	Lid lock
Dimensions (W x D x H)	190 x 235 x 125 mm	
Weight	2.1 kg	2.5 kg
Input current power consumption	12 V, 11 W (0.9 A)	24 V, 24 W (1 A)
External power supply	Input AC 100-240 V, 50/60 Hz, Output DC 12 V	Input AC 100-240 V, 50/60 Hz, Output DC 24 V
Order No.	109.3005	109.3010

Time for Completing Spin-Mix-Spin Cycle

Model	MSC-3000	MSC-6000
For 2 microtubes	25 sec	15 sec
For 12 microtubes	90 sec	60 sec
For 100 microtubes	15 min	10 min

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Available Rotors



Rotor R-0.5 / 0.2

Standard rotor
Included in delivery.

12 x 0.5 ml and
12 x 0.2 ml microtubes
Max. capacity: 24



Rotor R-2 / 0.5 / 0.2

Optional rotor

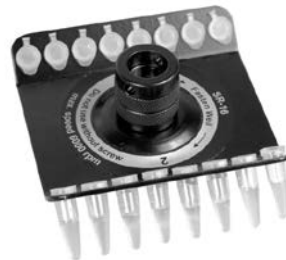
6 x 2 ml / 6 x 0.5 ml
/ 6 x 0.2 ml microtubes
Max. capacity: 18



Rotor R-1.5

Standard rotor
Included in delivery.

12 x 1.5/2 ml microtubes
Max. capacity: 12



Rotor SR-16

Optional rotor

2 x 0.2 ml strip tubes
Max. capacity: 16 (tubes)



Rotor R-2 / 0.5

Optional rotor

8 x 2/1.5 ml / 8 x 0.5 ml
microtubes
Max. capacity: 16



Rotor SR-32

Optional rotor

4 x 0.2 ml strip tubes
Max. well: 32 (tubes)