

Lot 5, microcentrifuga

Microspin 12, Biosan, Letonia

Parametri solicitati	Parametri oferiti
"Viteză: 100 – \geq 1000 g Capacitate: 12 – 24 eprubete Volume eprubete: 1,5 – 2 mL Să includă adaptore pentru tuburi 0.2 mL și 0.5 mL Cerințe: Anul producerii minim 2023-24 Garanție minim 24 luni Servicii de mentenanță preventivă pe perioada de garanție Manuale de utilizare limba romana sau rusa Manual de service limba engleza, rusa sau romana Training pentru utilizatori Da, pregătire de lucru, mod de utilizare a dispozitivului, întreținerea zilnică. Training pentru personal tehnic Ajustarea, calibrarea, înlăturarea defecțiunilor minore, parole de acces după caz. "	"Viteză: 1000 - 14500 rpm (increment 100 rpm), rcf 50–12,400g Capacitate: 12 eprubete Volume eprubete: 1,5 – 2 mL Include adaptore pentru tuburi 0.2 mL și 0.5 mL, A-02 adapter, A-05 adapter Cerințe: Anul producerii 2023-24 Garanție 24 luni Servicii de mentenanță preventivă pe perioada de garanție Manuale de utilizare limba romana sau rusa Manual de service limba engleza, rusa sau romana Training pentru utilizatori Da, pregătire de lucru, mod de utilizare a dispozitivului, întreținerea zilnică. Training pentru personal tehnic Ajustarea, calibrarea, înlăturarea defecțiunilor minore, parole de acces după caz. "

Microspin 12, High-speed Mini-centrifuge

DESCRIPTION

High-speed mini-centrifuge **Microspin 12** is a compact desktop centrifuge designed for biomedical laboratories.

Microspin 12 is used for extracting RNA/DNA samples, sedimentation of biological components, biochemical and chemical analysis of microsamples.

A display simultaneously shows actual and set values for:

1. Centrifugation time;
2. Set and actual speed values;
3. Relative centrifugal force.

A brushless motor provides noiseless performance at the maximal speed and long service life. An angular rotor is designed for accommodation of 12 Eppendorf microtubes and spin columns. The rotor is made of aluminium, it is equipped with fixing lid and included in the standard specification of the centrifuge. Constant airflow around the rotor reduces risk of samples overheating during operation.

Metal protective inserts inside the casing and lid, automatic imbalance switch-off and locking of a lid provide safe operation. Completion of centrifugation is indicated by a sound signal.

The external power supply unit allows operation of **Microspin 12** in cold rooms (at ambient temperatures from +4°C to +40°C).

Standard set:

Built-in rotor **MSR-12** (12 places for microtubes 1.5/2 ml) with protection lid **MSL-SC** and adapters A-02, A-05

- 12 places for microtubes 1.5/2 ml
- A-02** adapter 12 pieces for microtubes 0.2 ml
- A-05** adapter 12 pieces for microtubes 0.5 ml

SPECIFICATIONS

Speed control range	1000 - 14500 rpm (increment 100 rpm)
Relative centrifugal force control range	50–12,400 × g
Digital time setting	15 s – 30 min (increment 15 s - 1 min)
Timer sound signal	+
Rotor imbalance diagnostics (automatic stop, "IMBALANCE" warning)	+
Acceleration time up to 14,500 rpm	20 s
Slowdown time, not more	10 s
Display	LCD, 2 x 16 signs
Overall dimensions (W×D×H)	200x240x125 mm
Weight	3.5 kg
Input current/power consumption	24 V, 2.5 A / 60 W
External power supply	Input AC 100–240 V 50/60 Hz, Output DC 24 V



CAT. NUMBER

Including MSL-SC lid, adapters A-02, A-05	Including MSL-SC lid, adapters A-02, A-05
BS-010213-AA1	230VAC 50/60Hz Euro plug
BS-010213-AAQ	230VAC 50/60Hz UK plug
BS-010213-AA4	230VAC 50/60Hz AU plug
BS-010213-AA2	100VAC 50/60Hz US plug, 120VAC 60Hz US plug
BS-010213-DK	IQ OQ document
BS-010213-CK	PQ document

ACCESSORIES



A-02
BS-010213-BK
adapter

Adapter 12 pieces for
microtubes 0.2 ml



A-05
BS-010213-AK
adapter

Adapter 12 pieces for
microtubes 0.5 ml



MSL-SC
BS-010213-EK
protection lid

Higher rotor lid to
accommodate spin
columns

EU Declaration of Conformity

Unit type Mini-Centrifuge, Laboratory Centrifuge

Models **Microspin-12, LMC-3000, LMC-4200R, LMC-56**

Serial number 14 digits styled XXXXXXYYMMZZZZ, where XXXXXX is model code, YY and MM – year and month of production, ZZZZ – unit number.

Manufacturer SIA Biosan
Ratsupites 7 k-2, Riga, LV-1067, Latvia

The objects of the declaration described above is in conformity with the following relevant Union harmonization legislations:

LVD 2014/35/EU	LVS EN 61010-1:2011 Safety requirements for electrical equipment for measurement, control, and laboratory use. General requirements. LVS EN 61010-2-020:2016 Particular requirements for laboratory centrifuges.
EMC 2014/30/EU	LVS EN 61326-1:2013 Electrical equipment for measurement, control and laboratory use. EMC requirements. General requirements.
RoHS3 2015/863/EU	Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
WEEE 2012/19/EU	Directive on waste electrical and electronic equipment.

I declare that the Declaration of Conformity is issued under sole responsibility of the manufacturer and belongs to the above-mentioned objects of the declaration.

Svetlana Bankovska
Managing Director


Signature

06 December 2021
Date