

# EU Declaration of Conformity

**Unit type** Mini-centrifuge, laboratory centrifuge  
**Models** **Microspin-12, LMC-3000, LMC-4200R**  
**Serial number** 14 digits styled XXXXXYYMMZZZZ, where XXXXXX is model code, YY and MM – year and month of production, ZZZZ – unit number.  
**Manufacturer** SIA BIOSAN  
Latvia, LV-1067, Riga, Ratsupites str. 7/2

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

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

07.02.2020.  
\_\_\_\_\_  
Date

# 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



## 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

## 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	+
Acceleration time up to 14,500 rpm	20 s
Slowdown time, not more	10 s
Display	LCD, 2 line
Safety: Rotor imbalance diagnostics: automatic stop, "IMBALANCE" warning	+
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

## 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

**BUREAU VERITAS**  
Certification



## Certification

Awarded to

**SIA "Biosan"**

Rātsupītes iela 7, korp.2, Rīga, LV-1067, LATVIA

**Bureau Veritas Certification certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standard detailed below**

STANDARD

**ISO 9001:2015**

SCOPE OF CERTIFICATION

DEVELOPMENT, PRODUCTION, SALES AND SERVICE OF LABORATORY EQUIPMENT.

Original cycle start date: 25.05.2004.

Recertification Audit date: 09.04.2019.

Recertification cycle start date: 26.05.2019.

*Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on: 25.05.2022.*

Certificate Number : LVRIG24119A

Version: 1 Revision date: 11.04.2019.

Certification Manager  
Iveta Lazdina

Certification body address: Bureau Veritas Latvia SLA, Dunties street 17a, Riga, LV-1005, Latvia

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.  
To check this certificate validity please call +371 67323246

