

Lot nr. 3, microcentrifuga, Microspin 12, Biosan, Letonia

<i>Specificarea tehnică deplină solicitată, Standarde de referință</i>	<i>Specificarea tehnică deplină oferită, Standarde de referință</i>
Pentru tuburi tip Eppendorf, capacitate recipientelor- 12 tuburi x1,5 /2,0 ml, cu rotor unghiular. Gama de control al vitezei 1000 - 14500 rpm (increment 100 rpm). Domeniul relativ de control al forței centrifuge 50–12.400 × g. Setarea timpului digital 15 s - 30 min (increment 15 s - 1 min). Semnal sonor cu temporizator +. Timp de accelerare de până la 14.500 rpm 10-20 s. Timp de încetinire, nu mai mult 10 s. Siguranță: Diagnosticul dezechilibrului rotorului: oprire automată, avertizare „IMBALANCE” +. Dimensiuni generale 200x240x125 mm (± 15%). Greutate 3-4 kg, interiorul camerei de centrifugare si capacul protector din material inoxidabil.4 2.Certificat de inregistrare pe teritoriul Republicii Moldova 3.Carte tehnica 4.Instructiune de utilizare 5.Asigurarea serviciului de mentenanta 6.Etalonare/verificare in Republica Moldova 7.Termen de garantie nu mai mic de 2 ani 8.Garantarea pieselor de schimb pe parcursul a 5 ani	Pentru tuburi tip Eppendorf, capacitate recipientelor- 12 tuburi x1,5 /2,0 ml, cu rotor unghiular. Gama de control al vitezei 1000 - 14500 rpm (increment 100 rpm). Domeniul relativ de control al forței centrifuge 50–12.400 × g. Setarea timpului digital 15 s - 30 min (increment 15 s - 1 min). Semnal sonor cu temporizator +. Timp de accelerare de până la 14.500 rpm 10-20 s. Timp de încetinire, nu mai mult 10 s. Siguranță: Diagnosticul dezechilibrului rotorului: oprire automată, avertizare „IMBALANCE” +. Dimensiuni generale 200x240x125 mm. Greutate 3,5 kg, interiorul camerei de centrifugare si capacul protector din material inoxidabil.4 2.Certificat de inregistrare pe teritoriul Republicii Moldova – Nu. Este echipament de laborator, nu dispozitiv medical. 3.Carte tehnica - da 4.Instructiune de utilizare - da 5.Asigurarea serviciului de mentenanta - da 6.Etalonare/verificare in Republica Moldova - da 7.Termen de garantie 2 ani 8.Garantarea pieselor de schimb pe parcursul a 5 ani

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

Microspin 12

High-Speed Mini-Centrifuge



If you have any feedback on our products or services, we would like to hear from you.
Please send all feedback to:

Manufacturer:

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

Phone: +371 674 261 37

Fax: +371 674 281 01

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Service: service@biosan.lv

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1. About this edition of user instructions

1.1 The current edition of the user instructions applies to the following models:

Model and name	Version
Microspin 12, high-speed mini-centrifuge	V.4AY

1.2 Edition 4.02 – April of 2022

2. Safety precautions



Caution! Make sure you have fully read and understood the present Manual before using the equipment. Please pay special attention to sections marked by this symbol.

2.1 Icons used on the unit and packaging

	CE marking, manufacturer affirms conformity with European health, safety, and environmental protection standards, see 11.1
	WEEE directive marking, see 11.1
	Polarity of the power connector
	Equipment uses direct current
	Do not use without lid. Secure the safety cover and the lid as described in 4.4
	Emergency opening location, see 5.14

2.2 General safety

- The protection provided can be ineffective if the operation of the appliance does not comply with the manufacturer's requirements.
- Save the unit from shocks and falling.
- Store and transport the unit as described in section **9. Storage and transportation** on page 14.
- Before using any cleaning or decontamination methods except those recommended by the manufacturer, check with the manufacturer that the proposed method will not damage the equipment.
- Do not make modifications in design of the unit.
- Use only original parts and accessories, provided by manufacturer for this product.

2.3 Electrical safety

- Connect only to the mains with voltage corresponding to that on the serial number label.
- Use only the external power supply provided with this product.
- Ensure that the power plug is easily accessible during use.
- Disconnect the unit from the mains before moving.
- If liquid penetrates into the unit, disconnect it from the mains and have it checked by a repair and maintenance technician.
- Do not operate the unit in premises where condensation can form. Operating conditions of the unit are defined in section **6. Specifications** on page 11.

2.4 During operation

- Do not operate the unit in environments with aggressive or explosive chemical mixtures. Please contact manufacturer for possible operation of the unit in specific atmospheres.
- Do not operate the unit if it is faulty or has been installed incorrectly.
- Do not use outside laboratory rooms.
- Do not leave the operating unit unattended.
- Do not operate the unit without rotor protection lid.
- Do not use rotors with visible signs of corrosion, wear or mechanical damage.
- Observe the safety area of 300 mm around the unit. Personnel and hazardous materials must not be located in the safety area whilst the unit is operating.
- Do not centrifuge flammable or chemically active substances. If such liquids are spilled on the rotor or rotor chamber, the centrifuge must be cleaned with a moist cloth and a mild soap solution.
- Do not fill in the tubes after they are inserted in the rotor.
- Do not fill centrifuge rotor over the capacity specified by the manufacturer in section **6. Specifications** on page 11..
- Rotor must always be fixed securely. Stop the operation immediately by pressing the **Run Stop** button if any unusual noise occurs during acceleration, which can be due to improper rotor fixation.

2.5 Biological safety

- The user is responsible to carry out appropriate decontamination if hazardous material spills on or penetrates into the equipment.

3. General information

Microspin 12 high-speed mini-centrifuge is nice example of a good quality instrument for components separation, which can be used for extracting RNA/DNA samples, separation of cell suspensions and for the others micro quantitative analyses.

The centrifuge has a spherical bioform shape and its compact footprint requires limited space on the laboratory bench. Centrifuge has a single, aluminium fixed rotor, which spins up to 14500 rpm, which is approximately 12400g. The rotor can accommodate up to 12 x 2 ml (or smaller) microtubes (such as Eppendorf, Axxygen, etc.). Adapters for 0.5 ml and 0.2 ml microtubes are included in the standard set. The enlarged lid for the rotor, MSL-SC, allows centrifuging spin columns.

Microspin 12 is equipped with an efficient fan system, which provides constant air-cooling for the rotor to reduce the risk of sample overheating during operation. There is only a slight sample temperature elevation during longer centrifugation periods (e.g., 10°C after 20 min. at maximal rotation speed).

Microprocessor control provides precise control of the set and actual parameters and user-friendly interface with straightforward set-up. LCD screen indicates two lines of set and actual values:

- centrifugation time;
- centrifugation speed;
- relative centrifugal force.

Brushless motor provides quiet vibration free performance even at high speeds and long product service life. Metal protective inserts and enclosures inside the body and lid of the centrifuge as well as automatic imbalance switch-off and lid locking mechanism provide safe operation throughout the speed range. Sound signal indicates when centrifugation is completed.

With its external power supply, **Microspin 12** can be safely used in cold rooms (from +4 °C to 15 °C).

4. Getting started

4.1 **Unpacking.** Remove packing materials carefully and retain them for future shipment or storage of the unit. Examine the unit carefully for any damage incurred during transit. The warranty does not cover in-transit damage. Warranty covers only the units transported in the original package.

4.2 **Complete set.** Package contents:

- **Microspin 12**, High-speed Mini-centrifuge..... 1 pce
- MSR-12 rotor with MSL-SC lid and securing nut..... 1 pce
- A-05 adapters for 0.5 ml tubes, 12 pcs. 1 set
- A-02 adapters for 0.2 ml tubes, 12 pcs. 1 set
- Pin for the lid unblocking (in the rear panel of the unit) 1 pce
- Wrench for rotor fixation 1 pcs.
- External power supply 1 pce.
- Power cable 1 pce.
- Operating instructions, declaration of conformity 1 copy



MSR-12



MSL-SC



A-05



A-02



Rotor key



Lid pin

4.3 **Setup.**

- Place the unit on horizontal even working surface.
- Remove the protective film from the display.
- Connect the power cable to the external power supply.
- Connect the external power supply unit into the socket at the rear side of the unit and position the unit for an easy access to the external power supply and the power switch.
- According to EN 61010-2-20, people and hazardous materials must not be within a 300 mm area around the device during the centrifuge operation.
- Do not place any objects in front of the ventilation slots underneath and 100 mm behind the centrifuge.

4.4 Rotor and adapter installation:

- Connect the centrifuge to a properly grounded power socket. Switch on the power switch (position I) on the rear.
- Press the **Open** key (fig. 6/5) and open the outer lid lifting it upwards by hand.
- Unscrew a fixation nut counter clockwise using the wrench included in standard set and remove it.
- Place the rotor (fig. 1/1) and secure it tightly with the fixation nut, placing the nut with the key holes up (fig. 1/2) and turning it clockwise by securing wrench.
- Insert adapters in the rotor sockets if it is necessary.
- Place the rotor lid on the rotor and firmly press the lid holder down around the latch (fig. 2/1).
- Firmly press on the covering lid in two places over both hinges to close it. The clicking sound of the lock and the indication **STOP**  in the lower line of the display (see figure 6) confirm that the lid is closed.
- Turn off the centrifuge with switch on the rear (position O).

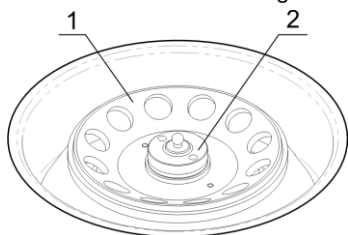


Figure 1. Installing the rotor

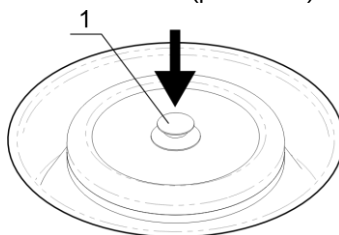


Figure 2. Installing the rotor lid

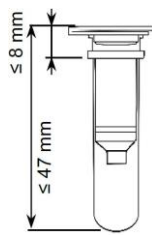
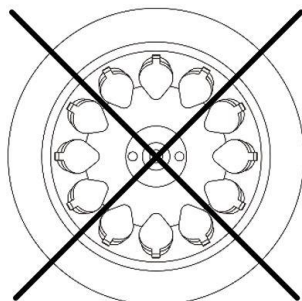
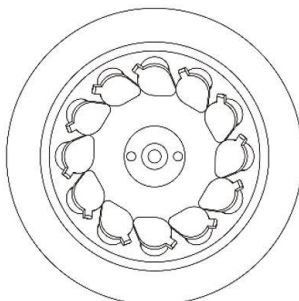


Figure 3.

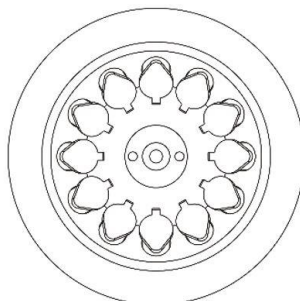
- The height of the spin column must be 47 mm or less, and the portion above the rotor must be 8 mm or less, see figure 3 for explanation.
- When loading spin columns, ensure that spin column hinges are not pointed outwards. Otherwise, rotor lid cannot close properly. See figure 4 for explanation.



Wrong



Correct



Correct

Figure 4. Loading spin columns

5. Operation

5.1 Recommendations during operation.

-  **Caution!** Insert tubes in the rotor sockets, maintaining balance. The opposite tubes must be filled equally.
- Recommended time interval between operation sessions:
 - for 15 min operation session – 10 min,
 - for 30 min operation session – 15 min.
- 5.2 Check the external power supply power cord for any signs of damage preliminary and replace if necessary. Connect the power cord to a properly grounded power socket. Set the power switch on the rear side to I position (ON).
- 5.3 The centrifuge switches on and the following readouts show on the display:
- Previously set time, speed and relative centrifugal force, accordingly the set speed in the upper line (Set).
 - Mode indication (STOP – means that the lid is closed, and the rotor is stopped) and current speed - 0 rpm and correspond centrifugal force in the lower line (Actual).
- 5.4 Press the **Open** key (fig. 5/1) and open the outer lid by lifting it upwards by hand. The display shows OPEN (see figure 5). The lid can be opened only when the rotor is stopped.
- 5.5 Remove the rotor lid lifting the lid holder up.
- 5.6 Check the rotor for any signs of wear and replace if necessary. Insert tubes symmetrically to the centre of the rotor. The opposite tubes must be filled equally.

 **Note.** When loading spin columns, ensure that spin column hinges are not pointed outwards. Otherwise, rotor lid cannot close properly. See figure 4 for explanation.

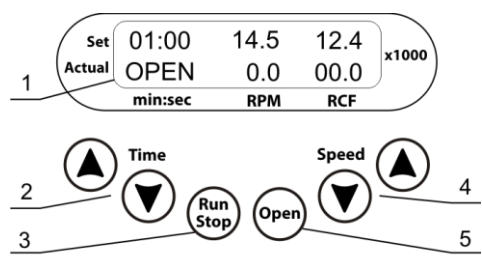


Figure 5. Control panel

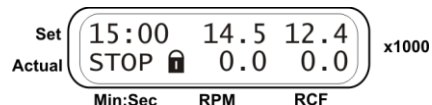


Figure 6. Display of the stopped centrifuge



Figure 7. Display of the working centrifuge

- 5.7 Place the rotor lid on the rotor and firmly press the lid holder down around the latch (fig. 2/1). Firmly press on the covering lid in two places over both hinges to close it. The clicking sound of the lock and the indication STOP with a lock icon in the lower line of the display (see figure 6) confirm that the lid is closed.
- 5.8 Use the ▲ and ▼ **Time** keys (fig. 5/2) to set the required time interval.
- 5.9 Use the ▲ and ▼ **Speed** keys (fig. 5/4) to set the required speed and required centrifugal force, using the readouts on the display (fig. 5/1). These parameters can also be adjusted during operation.



Note. Some plastic tubes can be damaged at higher speeds. Refer to the tube material specifications to make sure that it will not get damaged at the set speed.

- 5.10 Press the **Run Stop** key (fig. 5/3) to start centrifugation. Blinking RUN indication and current speed is displayed in the lower line (fig. 7). The timer in the upper line starts countdown after the set speed is achieved (stable RUN indication).



Note. If the rotor imbalance occurs causing vibration the centrifuge will stop automatically (IMBALANCE indication will be shown). After the rotor is stopped, open the lid and remedy the cause of imbalance.

- 5.11 Centrifugation is stopped automatically after the set time elapses (while braking display shows blinking indication STOP (fig. 6). A sound signal is emitted after full stop of the rotor (press the **Run Stop** key to stop the signal, fig. 5/3).
- 5.12 Centrifugation can be stopped before the set time elapses, if necessary, by pressing the **Run Stop** key. The set time interval will be shown on the display.
- 5.13 After finishing the operation, turn off the centrifuge with switch (O position) on the rear. Disconnect the device from the mains.



Note. Lid is unlocked only when the unit is powered. Connect the external power supply to the grounded mains socket to switch on the unit. Do not force the lid open.

- 5.14 **Emergency opening.** Disconnect the power cord from the mains. Wait until the centrifuge full stopping. Find the emergency opening slot on the right side of the unit. Insert the pin for unblocking the lid (screwed in rear panel of the unit) into the emergency opening slot and press until the lid opens.

6. Specifications

The unit is designed for operation in cold rooms and closed laboratory rooms at ambient temperature from +4°C to +40°C in a non-condensing atmosphere and maximum relative humidity 80% for temperatures up to 31°C decreasing linearly to 50% relative humidity at 40°C.

Biosan is committed to a continuous programme of improvement and reserves the right to alter design and specifications of the equipment without additional notice.

6.1	Rotor imbalance automatic diagnostics..... emergency stop, IMBALANCE indication	
6.2	Speed control range	1000–14500 rpm (increment 100 rpm)
6.3	Relative centrifugal force control range	50–12400g
6.4	Digital time setting	15 s – 30 min
6.5	Time setting resolution	
6.5.1	Shorter than 1 min.....	15 s
6.5.2	1 min and longer	1 min
6.6	Acceleration time to 14500 rpm, accurate within ± 8 s	20 s
6.7	Slowdown time to 0 rpm, not more	10 s
6.8	Display	LCD
6.9	Standard MSR-12 rotor capacity	12 x 1.5/2 ml tubes
6.10	Maximum tube height	
6.10.1	Above the rotor.....	≤ 8 mm
6.10.2	Full tube	≤ 47 mm
6.11	Maximum rotor load	36 g
6.12	Dimensions	200x240x125 mm
6.13	Weight, accurate within $\pm 10\%$	3.5 kg
6.14	Input current	24 V=, 2.5 A
6.15	Power consumption.....	60 W
6.16	External power supply	input 100–240 V~, 50/60 Hz, output 24 V=

7. Ordering information

7.1 Models and versions available:

Model	Version	Catalogue number
Microspin 12	V.4AY	BS-010213-AA1

7.2 To inquire about or order the replacement parts, contact Biosan or your local Biosan representative.

7.3 Replacement parts:

Replacement parts	Catalogue number
A-05, set of 12 adapters for 0.5 ml tubes	BS-010213-AK
A-02, set of 12 adapters for 0.2 ml tubes	BS-010213-BK
MSL-SC, high lid	BS-010213-EK

8. Care and maintenance

8.1 Service.

- 8.1.1 If the unit is disabled (e.g., no centrifugation or vortexing, no reaction to key presses, etc) or requires maintenance, disconnect the unit from the mains and contact Biosan or your local Biosan representative.
- 8.1.2 All maintenance and repair operations (except listed below) must be performed only by qualified and specially trained personnel.
- 8.1.3 Operating integrity check. If the unit follows the procedure described in section **Operation**, then no additional checks are required.

8.2 Cleaning and disinfection.

- 8.2.1 Use mild soap and water with a soft cloth or sponge for cleaning the exterior. Rinse remaining washing solution with distilled water. Wipe dry the excess water with clean, soft cloth or sponge.
- 8.2.2 To disinfect the plastic parts, use 75% ethanol or DNA/RNA removing solution (e.g., Biosan PDS-250). After disinfecting it is necessary to wipe the surfaces dry.
- 8.2.3 For rotor cleaning, If the centrifuge is switched on, press the **Open** key (fig. 5/1) and open the outer lid lifting it upwards with a hand. If the centrifuge is disconnected from the mains, find the emergency opening slot on the right side of the unit. Insert the pin for unblocking the lid (screwed in rear panel of the unit) into the emergency opening slot and press until the lid opens. Remove the rotor lid by lifting the lid holder up. Hold the rotor with one hand and turn a fixation nut counter-clockwise to release the rotor with the help of wrench included in standard set. Release the rotor and clean it. After cleaning install the rotor, secure it carefully turning the rotor fixation nut tightly. Close the rotor lid and the covering lid as described in **5.7**. Unpower the unit, if necessary.
- 8.2.4 The rotor is autoclavable, without the lid, at 120°C, for 20 min.



Note. Due to frequent autoclaving, the rotor label can be damaged or unstuck. If necessary, a new label can be requested from the manufacturer or your local distributor.

- 8.3 **Disposal.** Disposal of the appliance requires special precautions and must be carried out at an appropriate disposal site, separate from normal household waste. To prevent pollution of the environment, all waste resulting from the disposal of the product must be collected and disposed of in the country of use, in accordance with the applicable requirements for the handling of electronic waste.

9. Storage and transportation

- 9.1 Store and transport the unit in a horizontal position (see package label) at ambient temperatures between -20°C and +60°C and maximum relative humidity of 80%.
- 9.2 After transportation or storage and before connecting it to the electric circuit, keep the unit under room temperature for 2-3 hrs.
- 9.3 For extended storage, the unit does not require special procedures.

10. Warranty. Production date

- 10.1 The Manufacturer guarantees the compliance of the unit with the requirements of Specifications, provided the Customer follows the operation, storage and transportation instructions.
- 10.2 The warranted service life of the unit from the date of its delivery to the Customer is 24 months. For extended warranty, see **10.5**.
- 10.3 Warranty covers only the units transported in the original package.
- 10.4 If any manufacturing defects are discovered by the Customer, an unsatisfactory equipment report shall be compiled, certified and sent to the local distributor address. To obtain the claim form, visit **Technical support** page on our website at link below.
- 10.5 Extended warranty. For **Microspin 12**, the *Basic Plus* class model, extended warranty is a paid service. Contact your local Biosan representative or our service department through the **Technical support** section on our website at the link below.
- 10.6 Description of the classes of our products is available in the **Product class description** section on our website at the link below.

Technical support



biosan.lv/en/support

Product class description



biosan.lv/classes-en

- 10.7 The following information will be required in the event that warranty or post-warranty service comes necessary. Complete the table below and retain for your records.

Model	Serial number	Date of sale
Microspin 12 , High-speed Mini-centrifuge		

- 10.8 **Production date.** Production date is placed in the serial number, on the label of the unit. Serial number consists of 14 digits styled XXXXXYYMMZZZZ, where XXXXXX is model code, YY and MM – year and month of production, ZZZZ – unit number.

11. EU Declaration of conformity

11.1 High-speed mini-centrifuge **Microspin 12** is in conformity with the following relevant Union 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.

11.2 Declaration of Conformity is available for download on the page for the relevant model on our website by links below, in the **Downloads** section:



Microspin 12

SIA Biosan

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Phone: +371 67426137 Fax: +371 67428101

<https://biosan.lv>

Edition 4.02 – April of 2022

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



BUREAU
VERITAS

Bureau Veritas Certification



EN ISO/IEC 17021-1
S2-424

Certification

Awarded to

Biosan SIA

Rātsupītes iela 7 k-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 13485:2016

SCOPE OF CERTIFICATION

DEVELOPMENT, DESIGN, PRODUCTION, SERVICE AND DISTRIBUTION OF MEDICAL DEVICES: DEVICE FOR MEASURING OPTICAL DENSITY (OD), AUTOMATIC MICROPLATE WASHER, MICROPLATE PHOTOMETER. SALES, STORAGE AND DISTRIBUTION OF ACTIVE AND NON ACTIVE NONIMPLANTABLE MEDICAL DEVICES.

Original Cycle Start Date:	26-05-2022
Expiry date of previous cycle:	NA
Certification / Recertification Audit date:	18-05-2022
Certification/Recertification Cycle Start Date:	26-05-2022
Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on:	25-05-2025

Certificate No.: LV007756

Version: 2

Issue date: 03-07-2023



Certification body address: Bureau Veritas Latvia SIA, 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



BUREAU
VERITAS

Bureau Veritas Certification



EN ISO/IEC 17021-1
S2-424

Certification

Awarded to

BIOSAN SIA

RĀTSUPĪTES IELA 7 K-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				
Expiry date of previous cycle:	25-05-2022				
Certification/Recertification audit date:	17-05-2022				
Certification/Recertification cycle start date:	26-05-2022				
Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on:	25-05-2025				
Certificate Number:	LV007741	Version:	1	Revision date:	19-05-2022

Certification body address: Bureau Veritas Latvia SIA, 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

