

SC-24NC, block

DESCRIPTION

24 x 1.5 ml microtubes

SPECIFICATIONS

Amount of 1.5 ml tubes

2



CAT. NUMBER

BS-010143-GK

SC-24NC

ACCESSORIES



TS-100C

Without thermoblock

Thermo-Shaker with cooling for microtubes and PCR plates

Thermo-Shaker **TS-100C** provides intensive mixing and temperature control of samples in microtest tubes or PCR plate. This model of Thermo-Shaker differs from TS-100 with a possibility of cooling samples down ...

[read more](#)



TS-100C Smart

Software included, without thermoblock

Thermo-Shaker with cooling for microtubes and PCR plates

Thermo-Shaker **TS-100C Smart** provides intensive mixing and temperature control of samples in microtest tubes or PCR plate. This model of Thermo-Shaker differs from TS-100 with a possibility of cooling samples ...

[read more](#)

EU Declaration of Conformity

Unit type Thermo-Shakers

Models TS-100, TS-100C, TS-100C Smart, TS-DW, PST-60HL, PST-60HL-4, PST-100HL

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:

LVD 2014/35/EU	LVS EN 61010-1:2011 Safety requirements for electrical equipment for measurement, control, and laboratory use. General requirements. LVS EN 61010-2-010:2015 Particular requirements for laboratory equipment for the heating of materials. LVS EN 61010-2-051:2015 Particular requirements for laboratory equipment for mixing and stirring.
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

07.02.2020.
Date



BUREAU
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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. 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: 11-04-2022

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: LV007756 Version: 1 Revision date: 26-05-2022

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



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EN ISO/IEC 17021-1
S2-424

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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



TS-100C, Thermo-Shaker with cooling for microtubes and PCR plates

DESCRIPTION

Thermo-Shaker **TS-100C** provides intensive mixing and temperature control of samples in microtest tubes or PCR plate. This model of Thermo-Shaker differs from TS-100 with a possibility of cooling samples down to +4°C. Features of **TS-100C** meet the highest expectations of users according to many parameters:

1. Fast reaching of specified mixing speed and maintenance of equal amplitude of rotation throughout the Thermo-Shaker block;
2. Stability of maintaining the preset temperature in a wide range throughout the Thermo-Shaker's block surface;
3. LCD display indicates preset and current values of temperature, speed and time of operation;
4. Quiet motor operation, compact size, prolonged service life.



Functions of heating and mixing can be performed both simultaneously and independently.

There are five heating and cooling blocks available, including a block with a plastic lid for the PCR-plates. All blocks are mutually interchangeable and can be easily installed on Thermo-Shaker.

The instrument is applicable in:

- Genetic analysis — in extraction of DNA, RNA and further sample preparation;
- Biochemical study of enzymatic reactions and processes;
- Extraction of metabolites from cellular material.

Temperature Calibration Function

With the help of the temperature calibration function the user can calibrate the unit approx. $\pm 6\%$ of the selected temperature to compensate differences in the thermal behaviour of tubes from different manufacturers.

CAT. NUMBER

Without thermoblock	Without thermoblock
BS-010143-AAI	230VAC 50/60Hz Euro plug
BS-010143-AAQ	230VAC 50/60Hz UK plug
BS-010143-AA4	230VAC 50/60Hz AU plug
BS-010143-AAJ	100VAC 50/60Hz US plug, 120VAC 60Hz US plug
BS-010143-HK	IQ OQ document
BS-010143-IK	PQ document

SPECIFICATIONS

Temperature setting range	+4°C ... +100°C
Temperature control range	15°C below ambient ... +100°C
Temperature setting resolution	0.1°C
Temperature stability	±0.1°C
Temperature accuracy at +37°C	±0.5°C
Average heating speed from +25°C to +100°C	5°C/min
Average cooling speed from +100°C to +25°C	5°C/min
Average cooling speed from +25°C to +4°C	1.8°C/min
Temperature uniformity over the block at +4°C	±0.6°C
Temperature uniformity over the block at +37°C	±0.1°C
Temperature uniformity over the block at +100°C	±0.3°C
Temperature calibration coefficient range	0.936...1.063 (± 0.063)
Speed control range	250–1400 rpm
Digital time setting	1 min–96 hrs (1 min increment)
Timer sound signal	+
Orbit	2 mm
Display	LCD, 16 x 2 signs
Microprocessor controlled temperature, mixing speed and operation time	+
Maximum continuous operation time	168 h
Overall dimensions (W×D×H)	220x240x90 mm
Weight	3.7 kg
Input current/power consumption	12 V, 4.9 A / 60 W
External power supply	Input AC 100–240 V; 50/60 Hz; Output DC 12 V

ACCESSORIES



SC-18C
BS-010143-AK
block

20 × 0.5 ml + 12 × 1.5 ml
microtubes



SC-18/02C
BS-010143-CK
block

20 × 0.2 ml microtubes + 12 ×
1.5 ml microtubes



SC-24NC
BS-010143-GK
block

24 x 1.5 ml microtubes



SC-24C
BS-010143-EK
block

24 × 2 ml microtubes



SC-96AC
BS-010143-FK
block

96-well unskirted or semi-
skirted microplate (0.2 ml) for
PCR or 12 × 8 - 0.2ml strips or
96 tubes of 0.2 ml.