

PST-60HL, Plate Shaker-Thermostat

DESCRIPTION

Plate Thermo-Shakers are designed for shaking and thermostating 2 standard 96-well microplates.

A multisystem principle, used in design of the Thermo-Shaker, allows operating it as 3 independent devices:

- Incubator;
- Microplate shaker;
- Thermo-Shaker.

A distinctive feature of Biosan Plate Thermo-Shakers is the **patented by the company Two-Side Microplates Heating**, which allows to achieve full correspondence of the set and actual temperature in the microplate wells.

Thermo-shaker provides heating up to 60°C, which is sufficient for carrying out ELISA tests.

Plate Shaker-Thermostat provides:

- Soft or intensive sample shaking
- Rotation speed regulation, stabilization and indication
- Even rotation amplitude throughout the Thermo-Shaker platform
- Required operation time setting and indication
- Automatic stopping of the platform movement after expiration of the set time
- Setting and indication of the required temperature on the platform
- Automatic fault diagnostics (temperature sensor, platform heating, lid heating etc.)

Application fields:

- Cytochemistry — for in situ reactions
- Immunochemistry — for immunofermentative reactions
- Biochemistry — for enzyme and protein analysis
- Molecular biology — for micro array analysis

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 plates from different manufacturers.



CAT. NUMBER

BS-010119-AAI	230VAC 50/60Hz Euro plug
BS-010119-AAQ	230VAC 50/60Hz UK plug
BS-010119-AA4	230VAC 50/60Hz AU plug
BS-010119-AAJ	100VAC 50/60Hz US plug, 120VAC 60Hz US plug
BS-010119-BK	IQ OQ document
BS-010119-CK	PQ document

SPECIFICATIONS

Temperature setting range	+25°C ... +60°C
Temperature control range	+5°C above ambient... +60°C
Temperature setting resolution	0.1°C
Temperature stability	±0.1°C
Temperature uniformity at +37°C	±0.25°C
Temperature calibration coefficient range	0.936...1.063 (± 0.063)
Heating	Patented two-side microplate heating
Speed control range	250–1200 rpm (increment 10 rpm)
Digital time setting	1 min–96 hrs / non-stop (increment 1 min)
Timer sound signal	+
Orbit	2 mm
Display	LCD, 16 x 2 signs
Maximum continuous operation time	168 h
Max. height of microtest plate	18 mm
Number of microtest plates	2
Platform dimensions (w x d)	250 x 150 mm
Overall dimensions (W×D×H)	270 x 260 x 125 mm
Weight	6.1 kg
Input current/power consumption	12 V DC, 3.3 A / 40 W
External power supply	Input AC 100–240 V; 50/60 Hz; Output DC 12 V

PST-60HL-4, Plate Shaker-Thermostat

DESCRIPTION

Plate Thermo-Shakers are designed for shaking and thermostating 4 standard 96-well microplates.

A multisystem principle, used in design of the Thermo-Shaker, allows operating it as 3 independent devices:

- Incubator;
- Microplate shaker;
- Thermo-Shaker.

A distinctive feature of Biosan Plate Thermo-Shakers is the **patented by the company Two-Side Microplates Heating**, which allows to achieve full correspondence of the set and actual temperature in the microplate wells.

Thermo-shaker provides heating up to 60°C, which is sufficient for carrying out ELISA tests.

Plate Shaker-Thermostat provides:

- Soft or intensive sample shaking
- Rotation speed regulation, stabilization and indication
- Even rotation amplitude throughout the Thermo-Shaker platform
- Required operation time setting and indication
- Automatic stopping of the platform movement after expiration of the set time
- Setting and indication of the required temperature on the platform
- Automatic fault diagnostics (temperature sensor, platform heating, lid heating etc.)
- Spring clamps

Application fields:

- Cytochemistry — for in situ reactions
- Immunochemistry — for immunofermentative reactions
- Biochemistry — for enzyme and protein analysis
- Molecular biology — for micro array analysis

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 plates from different manufacturers.



CAT. NUMBER

BS-010128-AAI	230VAC 50/60Hz Euro plug
BS-010128-AAQ	230VAC 50/60Hz UK plug
BS-010128-AA4	230VAC 50/60Hz AU plug
BS-010128-AAJ	100VAC 50/60Hz US plug, 120VAC 60Hz US plug
BS-010128-AK	IQ OQ document
BS-010128-BK	PQ document

SPECIFICATIONS

Temperature setting range	+25°C ... +60°C
Temperature control range	+5°C above ambient... +60°C
Temperature setting resolution	0.1°C
Temperature stability	±0.1°C
Temperature uniformity at +37°C	±0.25°C
Temperature calibration coefficient range	0.936...1.063 (± 0.063)
Heating	Patented two-side microplate heating
Speed control range	250–1200 rpm (increment 10 rpm)
Digital time setting	1 min–96 hrs / non-stop (increment 1 min)
Timer sound signal	+
Orbit	2 mm
Display	LCD, 16 x 2 signs
Maximum continuous operation time	168 h
Max. height of microtest plate	18 mm
Number of microtest plates	4
Platform dimensions (w x d)	290 x 210 mm
Overall dimensions (W×D×H)	380 x 390 x 140 mm
Weight	8.8 kg
Input current/power consumption	12 V DC, 4.15 A / 50 W
External power supply	Input AC 100–240 V; 50/60 Hz; Output DC 12 V

PST-100HL, Plate Shaker-Thermostat

DESCRIPTION

Plate Thermo-Shakers are designed for shaking and thermostating 2 standard 96-well microplates.

A multisystem principle, used in design of the Thermo-Shaker, allows operating it as 3 independent devices:

- Incubator;
- Microplate shaker;
- Thermo-Shaker.

A distinctive feature of Biosan Plate Thermo-Shakers is the **patented by the company Two-Side Microplates Heating**, which allows to achieve full correspondence of the set and actual temperature in the microplate wells.

Thermo-shaker **PST-100HL** with the ability to stabilize the temperature up to 100 °C is specially designed for the hybridization reactions.

Plate Shaker-Thermostat provides:

- Soft or intensive sample shaking
- Rotation speed regulation, stabilization and indication
- Even rotation amplitude throughout the Thermo-Shaker platform
- Required operation time setting and indication
- Automatic stopping of the platform movement after expiration of the set time
- Setting and indication of the required temperature on the platform

Application fields:

- Cytochemistry — for in situ reactions
- Immunochemistry — for immunofermentative reactions
- Biochemistry — for enzyme and protein analysis
- Molecular biology — for micro array analysis



CAT. NUMBER

BS-010142-AAI	230VAC 50/60Hz Euro plug
BS-010142-AAQ	230VAC 50/60Hz UK plug
BS-010142-AA4	230VAC 50/60Hz AU plug
BS-010142-AAJ	100VAC 50/60Hz US plug, 120VAC 60Hz US plug
BS-010142-AK	IQ OQ document
BS-010142-BK	PQ document

SPECIFICATIONS

Temperature setting range	+25°C ... +100°C
Temperature control range	+5°C above ambient ... +100°C
Temperature setting resolution	0.1°C
Temperature stability	±0.1°C
Temperature uniformity at +37°C	±0.2°C
Heating	Patented two-side microplate heating
Speed control range	250–1200 rpm (increment 10 rpm)
Digital time setting	1 min–96 hrs / non-stop (increment 1 min)
Timer sound signal	+
Orbit	2 mm
Display	LCD, 16 x 2 signs
Maximum continuous operation time	168 h
Max. height of microtest plate	18 mm
Number of microtest plates	2
Platform dimensions (w x d)	250 x 150 mm
Overall dimensions (W×D×H)	270 x 260 x 125 mm
Weight	5.9 kg
Input current/power consumption	12 V, 5 A / 60 W
External power supply	Input AC 100–240 V; 50/60 Hz; Output DC 12 V

TS-100, Thermo-Shaker for microtubes and PCR plates

DESCRIPTION

Thermo-Shaker TS-100 provides intensive mixing and temperature control of samples in microtest tubes or PCR plate. Functions of heating (up to +100°C) and mixing can be performed both simultaneously and independently, i.e. the unit implements three devices in one:

1. Shaker;
2. Dry-block Thermostat;
3. Thermo-Shaker.

TS-100 is used for DNA analysis sample preparation, for extraction of proteins, polysaccharides, lipids and other cellular components. Features of TS-100 meet the increased requirements of the user, including:

- Quickly reaches the set mixing speed and maintains same amplitude of rotation around the block;
- Stable maintenance of the temperature of a wide range over the entire surface of the block;
- LCD display shows the set and actual temperature, speed and time;
- Quiet engine operation, compact size, long service life.

Heating source is a printed heating board (12 V). Mixing is provided by movement of orbital type.

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. ±6% of the selected temperature to compensate differences in the thermal behaviour of tubes from different manufacturers.



CAT. NUMBER

Without thermoblock	Without thermoblock
BS-010120-AAI	230VAC 50/60Hz Euro plug
BS-010120-AAQ	230VAC 50/60Hz UK plug
BS-010120-AA4	230VAC 50/60Hz AU plug
BS-010120-AAJ	100VAC 50/60Hz US plug, 120VAC 60Hz US plug
BS-010120-HK	IQ OQ document
BS-010120-IK	PQ document

SPECIFICATIONS

Temperature setting range	+25°C ... +100°C
Temperature control range	+5°C above 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	4°C/min
Temperature uniformity over the block at +37°C	±0.1°C
Temperature uniformity over the block at +100°C	±0.2°C
Temperature calibration coefficient range	0.936...1.063 (± 0.063)
Speed control range	250–1400 rpm
Digital time setting	1 min–96 hrs / non-stop (increment 1 min)
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, 3.5 A / 42 W
External power supply	Input AC 100–240 V; 50/60 Hz; Output DC 12 V

ACCESSORIES



SC-18
BS-010120-AK
block

20 × 0.5 ml + 12 × 1.5 ml
microtubes



SC-18/02
BS-010120-CK
block

20 × 0.2 ml microtubes + 12 ×
1.5 ml microtubes



SC-24N
BS-010120-GK
block

24 × 1.5 ml microtubes



SC-24
BS-010120-EK
block

24 × 2 ml microtubes



SC-96A
BS-010120-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.

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



DESCRIPTION

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 down to +4°C and with control up to 7 units from PC via Bluetooth® technology. Features of **TS-100C Smart** 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. ±6% of the selected temperature to compensate differences in the thermal behaviour of tubes from different manufacturers.

TS-100C Smart software features

- Rotation speed
- Temperature
- Time
- Sound signal
- Creating Profiling programs using controlled parameters
- Visualization of temperature vs time and speed vs time graphs
- Data export to Excel and CSV formats
- Error messages/Fault diagnostics

CAT. NUMBER

	Software included, without thermoblock
BS-010171-A01	230VAC 50/60Hz Euro plug
BS-010171-A02	230VAC 50/60Hz UK plug
BS-010171-A03	230VAC 50/60Hz AU plug
BS-010171-A04	100-240VAC 50/60Hz US plug

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 / non–stop (increment 1 min)
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
PC system requirements	Intel/AMD Processor, 1 GB RAM, Windows Vista/7/8/8.1/10/11, USB, Bluetooth
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.

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 / non–stop (increment 1 min)
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.

TS-DW, Thermo–Shaker for deep well plates

DESCRIPTION

TS-DW Thermo–Shaker is designed for shaking and incubating deep well plates.

A multisystem principle, used in the design of the Thermo-Shaker, allows operating it as 3 independent devices: Incubator, Plate shaker and Thermo–Shaker.

TS-DW provides excellent temperature uniformity across the plate due to patented two-sided heating of the block and the lid, contour heating of the block and close proximity of heating elements to plate walls.

There is a number of interchangeable blocks to suit different plates such as Eppendorf® 96/1000 µl, Sarstedt® Megablock 96/2200 µl, Porvair® 96/2000 µl, Axygen® 96/2200 µl. Also we can manufacture a customized block on request.

Deep Well Plate Thermo–Shaker provides:

- Soft or intensive sample shaking
- Rotation speed regulation, stabilization and indication
- Even rotation amplitude throughout the Thermo-Shaker platform
- Exceptional temperature uniformity across the plate
- Required operation time setting and indication
- Automatic stopping of the platform movement after expiration of the set time
- Setting and indication of the required temperature on the platform
- A variety of changeable blocks that can accommodate most popular deepwell plates
- Automatic fault diagnostics (temperature sensor, platform heating, lid heating etc.)

Application fields:

- Cytochemistry — for in situ reactions
- Immunochemistry — for immunofermentative reactions
- Biochemistry — for enzyme and protein analysis
- Molecular biology — for nucleic acid extraction

Separate blocks to accommodate different deepwell plates will be released. For example:

Deep Well Plates NUNC® 96/2000 µl

Deep Well Eppendorf® 96/0.5 ml

The block for deepwell plate is mountable, thus a custom plate module can be manufactured on request

Temperature Calibration Function

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



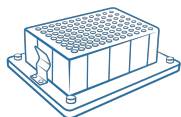
CAT. NUMBER

Without thermoblock	Without thermoblock
BS-010159-A02	230VAC 50/60Hz Euro plug
BS-010159-A03	230VAC 50/60Hz UK plug
BS-010159-A05	230VAC 50/60Hz AU plug
BS-010159-A04	100VAC 50/60Hz US plug, 120VAC 60Hz US plug
BS-010159-GK	IQ OQ document
BS-010159-HK	PQ document

SPECIFICATIONS

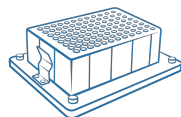
Temperature setting range	+25°C ... +100°C
Temperature control range	5°C above ambient ... +100°C
Temperature setting resolution	0.1°C
Temperature uniformity at +37°C	±0.1°C*
Temperature accuracy at +37°C	±0.5°C*
Time of platform heating from +25°C to +37°C	6 min*
* for B-2E thermoblock	-
Temperature 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
Overall dimensions (W×D×H)	240 x 260 x 160 mm
Weight	5.1 kg
Input current/power consumption	12 V, 4.8 A / 58 W
External power supply	Input AC 100–240 V; 50/60 Hz; Output DC 12 V

ACCESSORIES



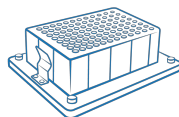
B-2E
BS-010159-AK
block

Block for one deep-well plate
Eppendorf® 96/1000 µl -
Cat.No. 0030505204,
0030506200, 0030502205



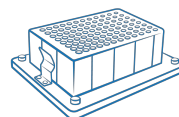
B-05E
BS-010159-QK
block

Block for one deep-well plate
Eppendorf® 96/500 µl -
Cat.No. 0030501101



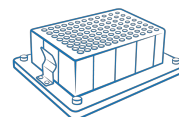
B-2A
BS-010159-FK
block

Block for one deep-well plate
Axygen® 96/2200 µl - Cat.No.
P-2ML-SQ-C



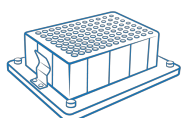
B-06A
BS-010159-KK
block

B-06A block for one deep-well
plate Axxygen® 96/600 µl -
Cat.No. P-DW-500C



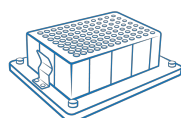
B-2S
BS-010159-CK
block

Block for one deep-well plate
Sarstedt® Megablock 96/2200
µl - Cat.No. 82.1972.002



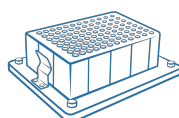
B-08AB
BS-010159-MK
block

Block for one Abgene™ Storage
Plate 96/800 µl - Cat.No.
AB0765, AB0859



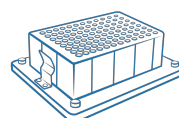
B-12AB
BS-010159-SK
block

Block for one deep-well plate
Abgene™ 96/1200 µl - Cat.No.
AB0564, AB0787



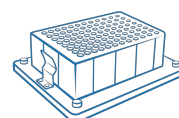
B-2P
BS-010159-EK
block

Block for one deep-well plate
Porvair® 96/2000 µl - Cat.No.
219009



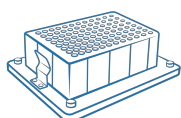
B-1R
BS-010159-UK
block

Block for one deep-well plate
Riplate® 96/1000 µl - Cat.No.
43001-0101



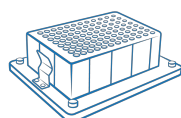
B-2R
BS-010159-TK
block

Block for one deep-well plate
Riplate® 96/2000 µl - Cat.No.
43001-0103



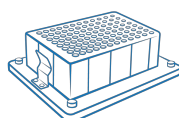
B-05PO
BS-010159-OK
block

Block for one deep-well plate
PlateOne® 96/500 µl - Cat.No.
S1896-5000



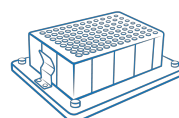
B-2PO
BS-010159-NK
block

Block for one deep-well plate
PlateOne® 96/2000 µl -
Cat.No. S1896-2000



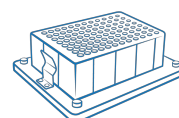
B-2N
BS-010159-DK
block

Block for one deep-well plate
Nunc® 96/2000 µl - Cat.No.
278743, 278752



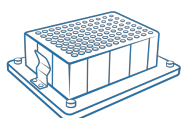
B-2SL
BS-010159-IK
block

Block for one deep-well plate
Starlab® 96/1200 µl - Cat.No.
E2896-0120



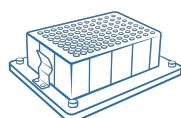
B-2M
BS-010159-RK
block

Block for one deep-well plate
KingFisher™ Deepwell 96 Plate
- Cat.No. 95040450



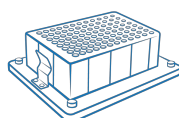
B-2SD
BS-010159-PK
block

Block for one deep-well plate
Sliprep™ 96 - Cat.No. AB0932



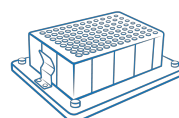
B-2KF
BS-010159-LK
block

Block for one deep-well plate
PowerMag® Glass Bead Plate
96 - Cat.No. 27600-4-KF-BP



B-2BBI
BS-010159-JK
block

Block for one deep-well plate
cluster SSI Bio - Cat.No. 703B00,
713B00



B-2V
BS-010159-BK
block

B-2V block for one deep-well
plate Vector-Best® 96/1000 µl