

HUBERLAB. AG
Industriestrasse 123
4147 Aesch

T 061 717 99 77
F 061 711 93 42

www.huberlab.ch
info@huberlab.ch

HUBERLAB.

committed to science



HETTICH BENELUX
THERMOMIXERS AND
THERMOBLOCKS



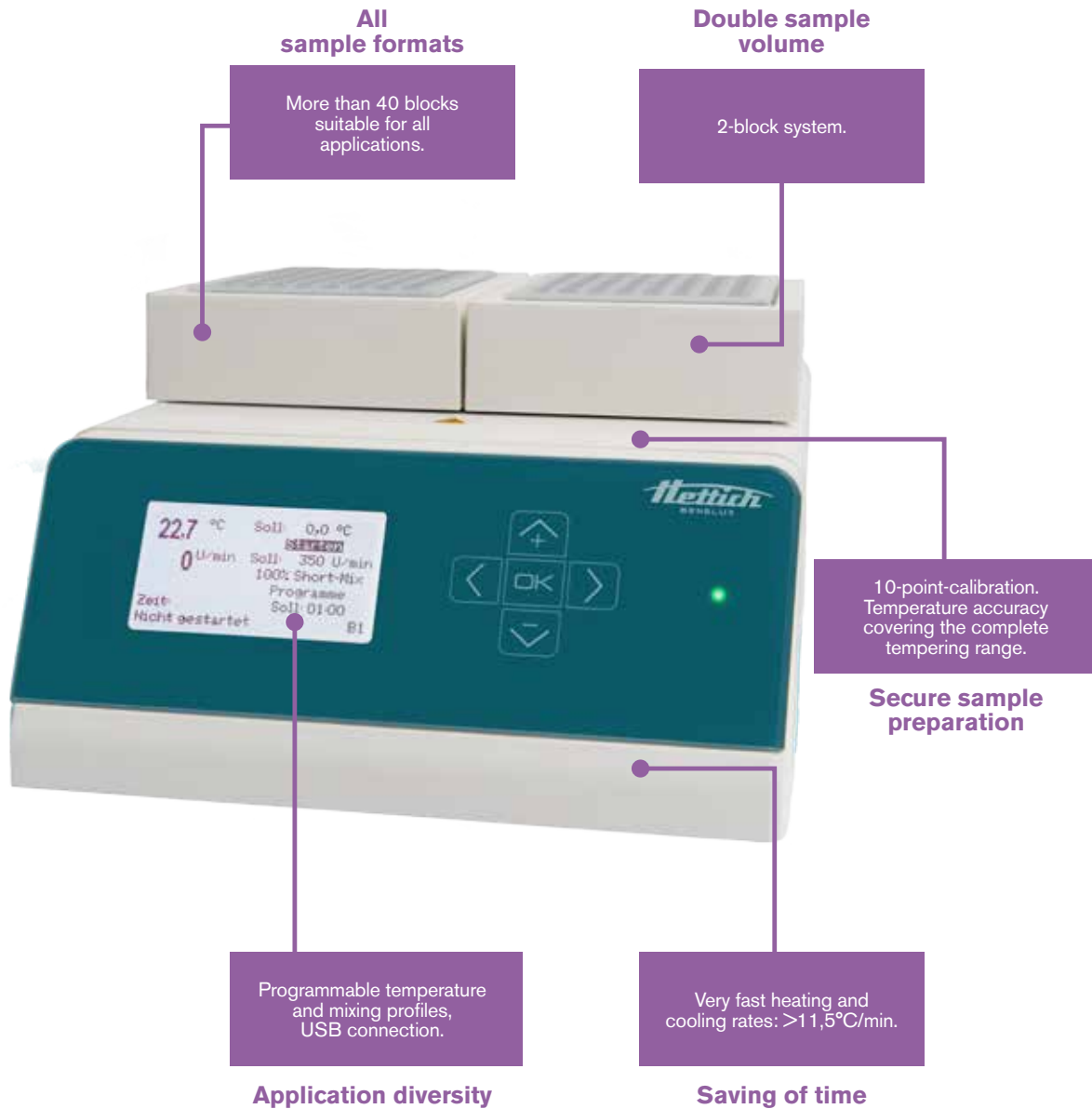
ENGINEERED FOR YOU

Quality, innovation and service

Hettich Benelux is your leading supplier of Thermo Shakers and BlockThermos, which are tailored to your specific applications and requirements. Expect quality, innovation and service from Hettich

Benelux, in everything we do. You will see it in our products, A-class parts, certifications, eco-awareness, service and communication. Not only is innovation important, the maintenance of your equipment is also in good hands.

MULTIFUNCTIONAL THERMO SHAKER



From simply practical to highly flexible - Smart Control

Program up to 9 complete programs with 30 program steps and temperature curves in total – exactly tailored to your application. The application variety is rounded out by the short mix function e.g. for vortexing as well as interval shaking. The direction of rotation is switchable by the software.

Constant overview of your process at any time: with the detailed information on the display you always have an overview of the following values:

| Parameters for programming | |
|--------------------------------------|-------------------|
| Program no. | 1-9 |
| Number of cycles | 1-9 |
| Program steps | 30 |
| Progress time hours | 0-99 h / infinite |
| Progress time minutes | 0-59 min |
| Set temperature | -10°C bis +137°C |
| Rise time | 0-99 min |
| Shaking frequency | 200 to 1.500 rpm |
| Interval shaking, standstill (pause) | 0,0 - 9,9 min |
| Interval shaking, mixing | 0-9 sec |



- Actual and set temperature
- Actual and set shaking frequency
- Actual and set time
- Program number, cycle, step

Navigate through the intuitive menu with only five key elements and adjust the 10 parameters to your application – this comfort is unsurpassable.



Multifunctional Thermo Shaker MKR 13
Art.-no. 980123001



Technical specification

| |
|--|
| Temperature operation range Amb. -16°C ... +100°C |
| Temperature adjustable range -10°C... +105°C |
| Accuracy / Resolution +/- 0,1°C / 0,1°C |
| Maximum heating time 6°C / min |
| Maximum cooling time 12°C / min |
| Shaking frequency 200-1.500 rpm |
| Orbit 3 mm orbital |
| Dimensions (W x D x H) 220 x 330 x 144 mm |
| Capacity 1 exchangeable block |
| Weight 9 kg |
| Electrical heating / cooling power 130 W |
| Electrical supply 115/230 V, 50/60 Hz |
| Smart Control: 30 program steps, short mix, interval shaking |

- **Fast heating and cooling rates > 6°C/min**
- **Application diversity: Programmable temperatur and mixing profiles, USB connection**

Double-Block-Cooling Thermo Shaker MKR 23
Art.-no. 980223001



Technical specification

| |
|--|
| Temperature operation range Amb. -11°C ...+70°C |
| Temperature adjustable range 0°C...+80°C |
| Accuracy / Resolution +/- 0,3°C / 0,1°C |
| Maximum heating time 3,5°C / min |
| Maximum cooling time 6,5°C / min |
| Shaking frequency 200-1.200 rpm |
| Orbit 3 mm orbital |
| Dimensions (W x D x H) 220 x 330 x 144 mm |
| Capacity 2 exchangeable blocks |
| Weight 9,5 kg |
| Electrical heating / cooling power 200 W |
| Electrical supply 115/230 V, 50/60 Hz |
| Smart Control: 30 program steps, short mix, interval shaking |

- **Double sample volume: 2-block system**
- **Secure sample preparation: 10-point calibration**

Multifunctional Thermo Shaker MHR 13
Art.-no. 980423001



Technical specification

| |
|--|
| Temperature operation range Amb. +3°C ...+130°C |
| Temperature adjustable range 0°C...+137°C |
| Accuracy / Resolution +/- 0,1°C / 0,1°C |
| Maximum heating time 11,5°C / min |
| Shaking frequency 200-1.500 rpm |
| Orbit 3 mm orbital |
| Dimensions (W x D x H) 220 x 330 x 109 mm |
| Capacity 1 exchangeable block |
| Weight 6,5 kg |
| Electrical heating power 200 W |
| Electrical supply 115/230 V, 50/60 Hz |
| Smart Control: 30 program steps, short mix, interval shaking |

- **Saving of time: > 11,5°C/min**
- **Temperature working range: RT. +3°C ... +130°C**

Double-Block Thermo Shaker MHR 23
Art.-no. 980523001



Technical specification

| |
|--|
| Temperature operation range Amb. +3°C ...+130°C |
| Temperature adjustable range 0°C...+137°C |
| Accuracy / Resolution +/- 0,1°C / 0,1°C |
| Maximum heating time 9,5°C / min |
| Shaking frequency 200-1.500 rpm |
| Orbit 3 mm orbital |
| Dimensions (W x D x H) 220 x 330 x 109 mm |
| Capacity 2 exchangeable blocks |
| Weight 7 kg |
| Electrical heating power 350 W |
| Electrical supply 115/230 V, 50/60 Hz |
| Smart Control: 30 program steps, short mix, interval shaking |

- **Double sample volume: 2-block system**
- **Orbital shaking motion**

Double-Block Thermo Shaker MHL 23 Art.-no. 980623001



Technical specification

| |
|--|
| Temperature operation range Amb. +3°C ...+130°C |
| Temperature adjustable range 0°C...+137°C |
| Accuracy / Resolution +/- 0,1°C / 0,1°C |
| Maximum heating time 9,5°C / min |
| Shaking frequency 200-1.300 rpm |
| Orbit 3 mm orbital |
| Dimensions (W x D x H) 220 x 330 x 109 mm |
| Capacity 2 blocks |
| Weight 7 kg |
| Electrical heating power 350 W |
| Electrical supply 115/230 V, 50/60 Hz |
| Smart Control: 30 program steps, short mix, interval shaking |

- **Double sample volume: 2-block system**
- **Orbital linear shaking motion: Ideal for small sample volumes**

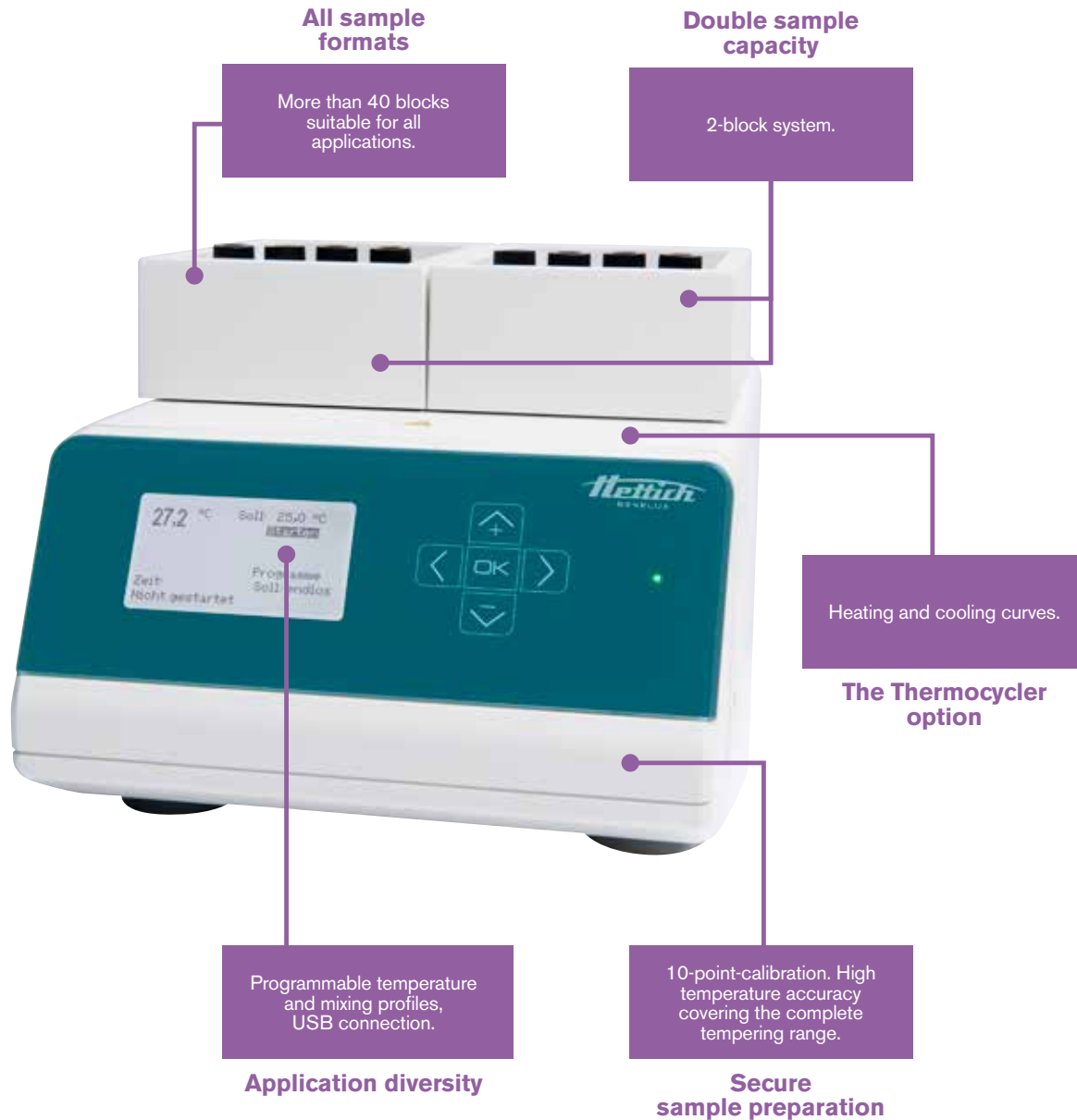
Remote Software Art.-Nr. 300040013

You can use the Remote Control and Data Logging Software to regulate and control the devices. A USB connection to communicate with a PC is standard for all Thermo Shakers and BlockThermostats with Smart Control.

By using a script the device can be operated by remote control and process data of the device can be gained and documented in an Excel file.



BLOCKTHERMOSTATS



Basic Double-BlockThermostat TH 21
Art.-no. 980923001



Technical specification

| | |
|------------------------------|-----------------------|
| Temperature operation range | Amb. +3°C ...+130°C |
| Temperature adjustable range | 0°C...+137°C |
| Accuracy / Resolution | +/- 0,1°C / 0,1°C |
| Maximum heating time | 9,5°C / min |
| Dimensions (W x D x H) | 220 x 330 x 109 mm |
| Capacity | 2 exchangeable blocks |
| Weight | 3,5 kg |
| Electrical heating power | 350 W |
| Electrical supply | 115/230 V, 50/60 Hz |
| Easy Control Timer | 19h 59Min |
| | |
| | |
| | |

- **Saving of time: Very fast heating rates >9,5°C/min**
- **Double sample volume: 2-block system**

Multifunctional Double-BlockThermostat TK 23
Art.-no. 980823001



Technical specification

| | |
|-----------------------------------|-----------------------|
| Temperature operation range | Amb. -16°C ...+90°C |
| Temperature adjustable range | -10°C...+105°C |
| Accuracy / Resolution | +/- 0,3°C / 0,1°C |
| Maximum heating time | 4°C / min |
| Maximum cooling time | 7°C / min |
| Dimensions (W x D x H) | 220 x 330 x 144 mm |
| Capacity | 2 exchangeable blocks |
| Weight | 7,5 kg |
| Electrical heating /cooling power | 130 W |
| Electrical supply | 115/230 V, 50/60 Hz |
| Smart Control | 30 program steps |
| | |
| | |
| | |

- **Application diversity: Programmable temperature and mixing profiles, USB connection**
- **Secure sample preparation: 10-point-calibration**

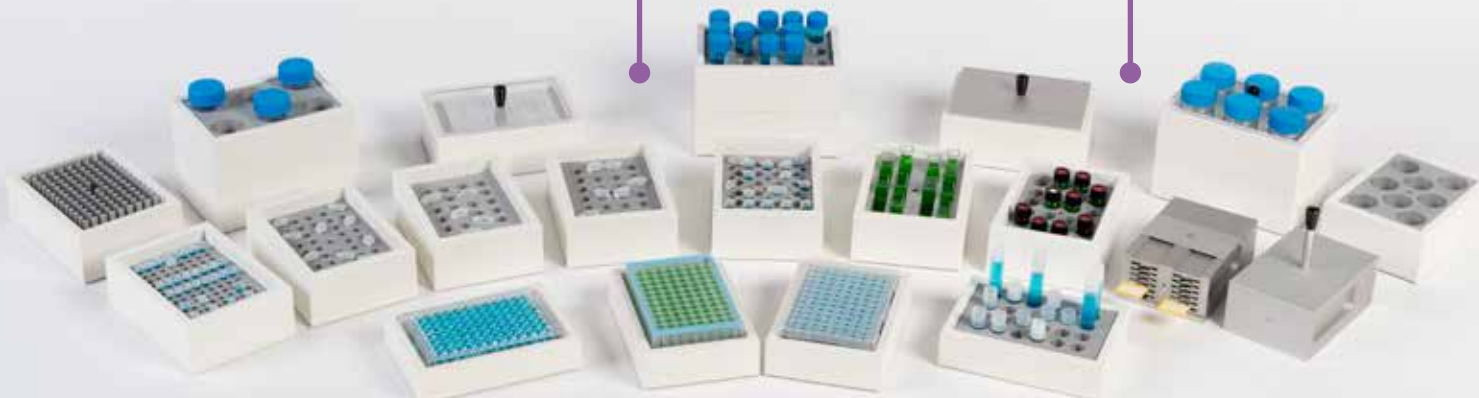
EXCHANGEABLE THERMOBLOCKS

All sample formats

More than 40 standard blocks and custom-made blocks at best prices.

Autoclavable blocks

Solid block construction.



Easy and fast exchanging – suitable for all devices.

Plug and Play

Accessories like Insulating top and Anti-condensation plate and so on.

Application diversity

Select the one applicable for you from more than 40 different exchangeable blocks. Quick and simple handling: they are simply inserted and fixed on top of the heating and cooling units. The blocks are suitable and exchangeable for all Thermo Shakers and BlockThermostats listed in this catalogue.

Our blocks have consistent outside dimensions of 14,5 x 10,2 cm. The usable area here is 12,5 x 8,5 cm. The height varies with each block.

For microtubes

Block for 24 x 1,5 ml,
tapered



Article no.
800011000

Block for 24 x 2,0 ml,
tapered



Article no.
800011100

Block for 24 x 0,5
and 1,5 ml
tubes,
tapered



Article no.
800016900

Block for 30 x 1,5 ml
or 2,0 ml tubes,
tapered



Article no.
800016300

Block for 96 x 0,2 ml,
tapered



Article no.
800010800

Block for 38 x 0,5 ml,
tapered



Article no.
800010900

Block for 24 x Cryo
tubes,
Flat bottom



Article no.
800016400

Block for 24 x Cryo
tubes,
Round bottom



Article no.
800017400

For sample tubes

Block for 24 x $\varnothing=12$ mm, 20 mm deep,
HPLC-Vials,
flat bottom



Article no.
800011600

Block for 24 x $\varnothing=15$ mm, 30 mm deep,
flat bottom



Article no.
800011700

Block for 24 x $\varnothing=16,5$ mm, 30 mm deep,
flat bottom



Article no.
800014200

Block for 24 x $\varnothing=18,7$ mm, 25 mm deep,
flat bottom



Article no.
800016100

Block for 12 x $\varnothing=22,5$ mm, 56 mm deep,
flat bottom



Article no.
800015200

Block for 12 x $\varnothing=23$ mm, 56 mm deep,
flat bottom



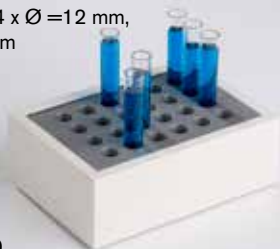
Article no.
800016000

Block for 8 x $\varnothing=27,5$ mm, 40 mm deep,
flat bottom



Article no.
800011900

Block for 24 x $\varnothing=12$ mm,
round bottom



Article no.
800012600

Block for 12 x $\varnothing=20,5$ mm,
round bottom



Article no.
800012700

Block for 24 x $\varnothing=10,3$ mm, 46 mm deep,
with cover,
round bottom



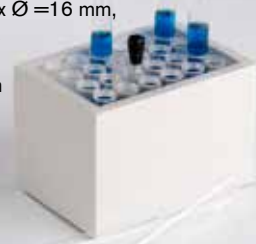
Article no.
800011500

Block for 24 x $\varnothing=10,4$ mm, 75 mm deep,
with cover,
flat bottom



Article no.
800014100

Block for 24 x $\varnothing=16$ mm,
51 mm deep,
with cover,
round bottom



Article no.
800011800

For centrifugal tubes

Block for 14 x
„Falcon“
tubes 15 ml,
half size,
with cover



Article no.
800012200

Block for 14 x
„Falcon“
tubes 15 ml,
93 mm
drillings,
with cover



Article no.
800018600

Block for 6 x
„Falcon“
tubes 50 ml,
half size,
with cover



Article no.
800012300

Block for 6 x
„Falcon“
tubes,
50 ml,
95 mm drillings,
with cover

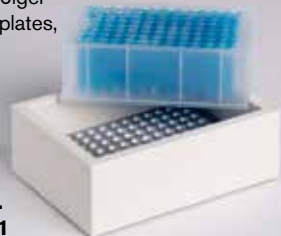


Article no.
800018700



For deep-well plates

Block for 96iger
deep-Well plates,
universal



Article no.
800010501

Block for 96iger 4titude
deep-Well plates,
round bottom



Article no.
800017101

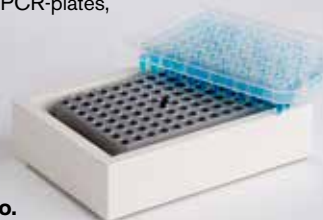
Block for 96iger
Eppendorf
deep-Well plates,
round bottom



Article no.
800016602

For PCR plates

Block for PCR-plates,
96-Well



Article no.
800010401

Block for PCR-plates, 384-Well



Article no.
800010301

For microtiter plates

Block for microtiter plates
96-Well, round bottom



Article no.
800019001

Block for microtiter plates
flat bottom



Article no.
800019301

For slides

Block for 12 slides
for hybridation



Article no.
800012400

For other applications

Block for 36 Rectangular
cuvettes 12,5 mm
outside



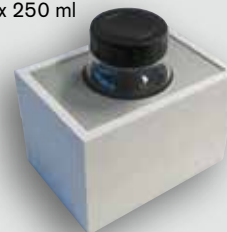
Article no.
800011200

Block for 2 x 50 ml bottles,
flat bottom



Article no.
800018500

Block for 1 x 250 ml
bottle,
flat bottom



Article no.
800018900

Block as tempering tub for
deep-well-plates
or other
tubes,
128 x 85 x
70 mm



Article no.
800012100

For own customization

Block for micro tubes
without drillings,
25 mm high



Article no.
800010700

Block for micro tubes
without drillings,
37 mm high



Article no.
800011300

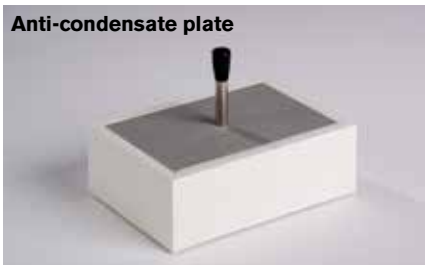
Block for micro tubes
without drillings,
50 mm high



Article no.
800011400

Accessories for Thermo Shakers & BlockThermostats

Anti-condensate plate



| Article no. | Article description |
|-------------|-------------------------------------|
| 800013000 | Block for PCR und microtiter plates |
| 800012900 | Block for microtubes |

- For blocks with micro tubes or test plates
- Aluminum plates quickly reach the block temperature and prevent condensation

Insulating top



| Article no. | Article description |
|-------------|-------------------------------|
| 800012800 | Insulating top for microtubes |

- Additional insulation provided by cover
- Quicker and even more uniform tempering of the samples

Tempering cover



| Article no. | Article description |
|-------------|--|
| 800013800 | Tempering cover for units with one block and high tubes |
| 800013900 | Tempering cover for units with two blocks and high tubes |

- Especially for high tubes
- Reduces the influence of the surrounding temperature

Heating top



| Article no. | Artikelbeschreibung |
|-------------|---------------------|
|-------------|---------------------|

| | |
|-----------|-------------|
| 800012500 | Heating top |
|-----------|-------------|

- For blocks of micro tubes & PCR plates
- Parallel heating of the block or even quicker heating and prevention of condensation

Assembly rack



| Article no. | Artikelbeschreibung |
|-------------|---------------------|
|-------------|---------------------|

| | |
|-----------|--------------------------------|
| 800013100 | Assembly rack for tubes 0.5 ml |
|-----------|--------------------------------|

| | |
|-----------|---------------------------------------|
| 800014300 | Assembly rack for tubes 1.5 and 2.0 l |
|-----------|---------------------------------------|

- Simple tool for the loading of sample tubes into the block

Country Sets

| Article no. | Country Sets |
|-------------|--------------|
|-------------|--------------|

| | |
|-----------|--------------------|
| 980000101 | Country Set Europe |
|-----------|--------------------|

| | |
|-----------|-------------------------|
| 980000201 | Country Set Switzerland |
|-----------|-------------------------|

| | |
|-----------|----------------|
| 980000301 | Country Set UK |
|-----------|----------------|