DITABIS

Your sample. Our passion.

Lab Instruments 2014

Thermo Shaker

BlockThermostats

3D Shaker

Orbital Shaker

Aspiration Systems

Content

Discover the DITABIS product range as your reliable partner in the lab:

About us

Decades of experience in lab & medical instruments

DITABIS stands for custom-made development and production of devices and system components in highly regulated markets in medical industry and Life Sciences industry.

Our sales and OEM partner in Diagnostics, medical instruments and Lab technology especially appreciate our understanding of applications and our technical competences, which are reflected in clever device concepts.

The devices developed to series-production readiness by us are produced in highest quality – for successful products worldwide!

Extensive industry experience
For more than 15 years, our engineers and scientists have been available as competent partners in design, development and production of our projects.

Flexible and customer-oriented
Small and agile: benefit from the flexibility of a small and dedicated company and capture the market quickly and with customized systems. Short communication channels and itensive cooperation result in highly efficient processes.

Perfect all-around care
For customer-specific demands in specific market segments, DITABIS is the perfect partner for integrated solutions. Electronic engineers, design engineers and software developers, scientists and product managers keep an eye on the market optimization of the poducts. With well-known partners, several successful projects have been realized and established in the market. Our in-house production staff attaches great importance to extensive final testing pursuant to international quality standards.

Multifunctional Thermo Shaker

MADE IN GERMANY

All sample formats

More than 40 blocks suitable for all applications.

Secure sample preparation

10-point-calibration. Temperature accuracy covering the complete tempering range.

Double sample volume

2-block system.

Display:
22,6 °C   Set: 0,0 °C
350 rpm   Set: 350 rpm
          100% Short-Mix
time rem: 01:00   Set: 01:00
process without program   B1

HLC by DITABIS

Application diversity

Programmable temperature and mixing profiles, USB connection.

Saving of time

Very fast heating and cooling rates: >11,5°C/min.

Control Panel

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.

DITABIS speaks your language: the intuitive menu navigation is avaliable in English, French, Spanish and German.

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

```
22,6  °C      Set:    0,0 °C
              Stop
350 rpm       Set:   350 rpm
              100% Short-Mix

time rem.:  01:00   Set: 01:00
process without program      B1
```

- 🔴 Actual and set temperature

- 🔴 Actual and set shaking frequency

- 🔴 Actual and set time
- 🔴 Program number, cycle, step

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 bis 1.500 rpm
Interval shaking, standstill (pause)	0,0 - 9,9 min
Interval shaking, mixing	0-9 sec

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

Thermo Shaker

Multifunctional Thermo Shaker MKR 13   Art.-no. 980123001

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

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	230 V, 50 Hz
Smart Control: 30 program steps, short mix, interval shaking	

Cable set

Article-No.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

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

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

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	230 V, 50 Hz
Smart Control: 30 program steps, short mix, interval shaking	

Cable set

Article-No.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

Thermo Shaker

Multifunctional Thermo Shaker MHR 13   Art.-no. 980423001

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

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	230 V, 50 Hz
Smart Control: 30 program steps, short mix, interval shaking	

Cable set

Article-No.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

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

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

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 rund
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	230 V, 50 Hz
Smart Control: 30 program steps, short mix, interval shaking	

Cable set

Article-No.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

Thermo Shaker

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

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

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	230 V, 50 Hz

Smart Control: 30 program steps, short mix, interval shaking

Cable set

Article-No.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

Remote Software — Art.-no. 300040013

You can use the DITABIS **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.
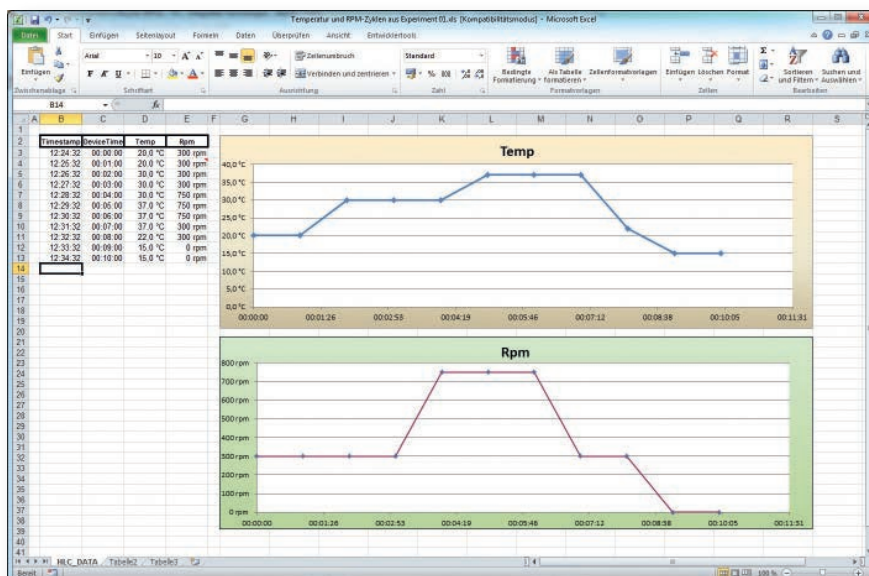
The Basic Thermo Shaker with Easy Control

Simply practical – Easy Control

No complex process cycle needed?

Then Easy Control is the perfect partner for the simple and fast handeling of your samples. You are able to choose if the set value or the actual value should be displayed. The shaking rate is easily adjustable via a scaled slider.

Parameters for programming

Progress time hours	0-19 h
Progress time minutes	0-59 min
Set temperature	+3°C bis +130°C
Shaking frequency (at MHR 11)	80 bis 1.500 rpm

With the time, the process time can be set up to 19 h and 59 min. The selected time starts when the set value is reached and the heater switches off at the end of the selected time.

Basic Thermo Shaker MHR 11 — Art.-no. 980323001

Temperature working range: RT. +3°C ... +130°C
Saving of time: Very fast heating rates >11,5°C/min

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	80 - 1.500 rpm
Orbit	3 mm orbital
Dimensions (W x D x H)	220 x 330 x 109 mm
Capacity	1 block
Weight	6,5 kg
Electrical heating power	200 W
Electrical supply	230 V, 50 Hz
Easy Control: Timer 19h 59min, slider for shaking frequency	

Cable set

Article-No.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

BlockThermostats

Made in Germany

All sample formats

More than 40 blocks suitable for all applications.

Double sample capacity

2-block system.

The Thermocycler option!

Heating and cooling curves.

Application diversity

Programmable temperature and mixing profiles, USB connection.

Secure sample preparation

10-point-calibration. High temperature accuracy covering the complete tempering range.

BlockThermostats

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

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

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
Elektr. Heizleistung	350 W
Electrical supply	230 V, 50 Hz
Easy Control	Timer 19h 59Min

Cable set

Article-No.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

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

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

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	230 V, 50 Hz
Smart Control:	30 program steps

Cable set

Article-No.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

Exchangeable thermoblocks
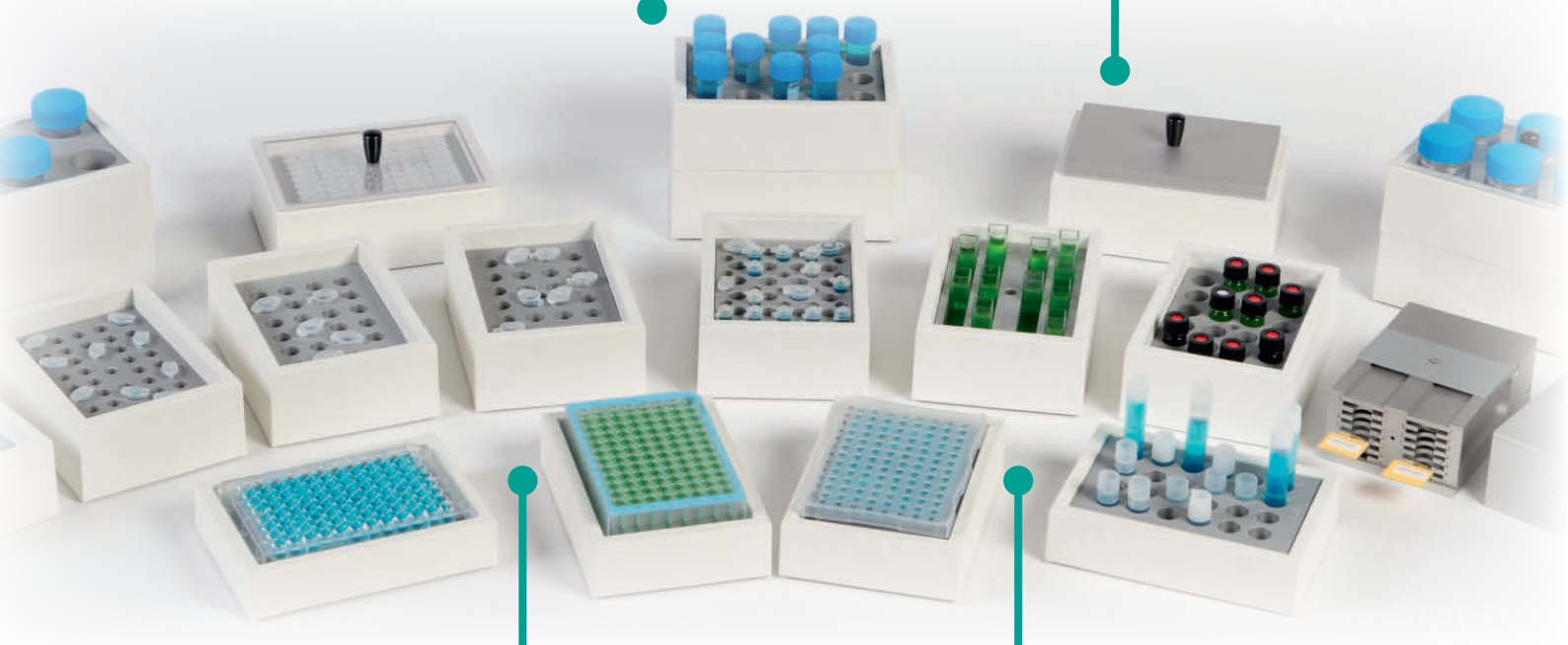
MADE IN GERMANY

All sample formats

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

Autoclavable blocks

Solid block construction.

Plug and Play

Easy and fast exchanging – suitable for all devices.

Application diversity

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

Exchangeable thermoblocks

Exchangeable thermoblocks for Thermo Shaker and BlockThermostats

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.

You don´t know which block is suitable for your tubes? Please contact us and we help you to choose the best fitting block.

Phone +49 (0) 7231 - 29 863 00 / Email: sales@ditabis.de

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 und 1,5 ml tubes, tapered
Article no. 800016900

Block for 30 x 1,5 ml oder 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

Exchangeable thermoblocks

Exchangeable thermoblocks for Thermo Shaker and BlockThermostats

For sample tubes

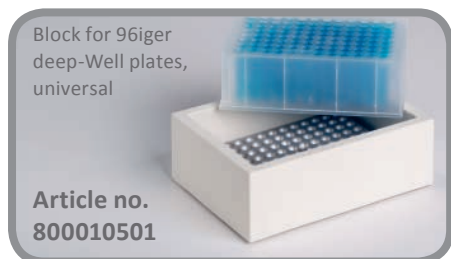Block für 24 x Ø =12 mm, 20 mm deep, HPLC-Vials, flat bottom

Article no. 800011600

Block for 24 x Ø =15 mm, 30 mm deep, flat bottom

Article no. 800011700

Block for 24 x Ø =16,5 mm, 30 mm deep, flat bottom

Article no. 800014200

Block for 24 x Ø =18,7 mm, 25 mm deep flat bottom

Article no. 800016100

Block for 12 x Ø =22,5 mm, 56 mm deep, flat bottom

Article no. 800015200

Block for 12 x Ø =23 mm, 56 mm deep, flat bottom

Article no. 800016000

Block for 8 x Ø =27,5 mm, 40 mm deep flat bottom

Article no. 800011900

Block for 24 x Ø =12 mm, round bottom

Article no. 800012600

Block for 12 x Ø =20,5 mm, round bottom

Article no. 800012700

Block for 24 x Ø =10,3 mm, 46 mm deep, with cover, round bottom

Article no. 800011500

Block for 24 x Ø =10,4 mm, 75 mm deep, with cover, flat bottom

Article no. 800014100

Block for 24 x Ø =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 für 6 x „Falcon" tubes, 50 ml, 95 mm drillings, with cover

Article no. 800018700

Exchangeable thermoblocks

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 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 Slides

Block for 12 slides
for hybridation

Article no.
800012400

Exchangeable thermoblocks

Exchangeable thermoblocks for Thermo Shaker and BlockThermostats

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

Custom-made blocks

No suitable one there for your application? Do not hesitate to contact us, we will prepare a cost-effective offer for any special block. Phone +49 (0) 7231 - 29 863 00 / Email: sales@ditabis.de

Exchangeable thermoblocks

Accessories for Thermo Shaker & BlockThermostats

These accessories are suitable for all Thermo Shakers and Block Thermostats listed in this catalogue.

Anti-condensate plate

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

Article no.	Article description
800013000	Block for PCR und microtier plates (see catalogue page 15)
800012900	Block for microtubes (see catalogue page 15)

Insulating top

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

Article no.	Article description
800012800	Insulating top for microtubes (see catalogue page 15)
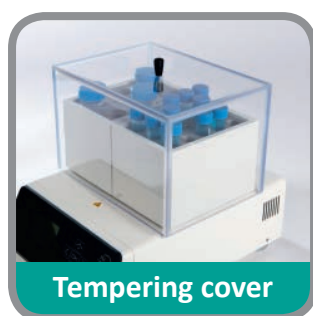
Tempering cover

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

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

Heating top

- *Connection only to DITABIS cooling units (220 W)*
- *For blocks of micro tubes & PCR plates*
- *Parallel heating of the block or even quicker heating and prevention of condensation*

Article no.	Article description
800012500	Heating top

Assembly rack

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

Article no.	Article description
800013100	Assembly rack for tubes 0.5 ml
800014300	Assembly rack for tubes 1.5 and 2.0 l

NEU!

All sample formats

More than 7 platforms suitable for your applications.

Solid metal housing

High temperature durability and longevity.

Application diversity

Angle of slope 4° / 8° as well as two platform sizes.

Shaker

Orbital Shaker MO 10 — Art.-no. 982000001

🔴 *All sample formats: >7 platforms*
🔴 *Solid metal housing:*
   High temperature durability and longevity

Technical specification

Temperature operation range	Amb. 0°C bis +65°C
Shaking frequency	50 - 400 rpm
Timer	0 - 120 min.
Maximum load	10 kg
Dimensions platform (W x H)	350 x 400 mm
Outside dimensions (W x D x H)	410 x 570 x 140 mm
Weight	13,5 kg
Electrical supply	110...230 V, 50...60 Hz

Cable set

Article no.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

You can choose out of 7 different platforms, 6 different Erlenmeyer clips and further accessories which will suit your applications perfectly. It's large accessories range make the DITABIS Orbital Shaker to a real all-rounder.

You are not sure which platform suites your application best? Do not hesitate to contact us, we help you to choose the best fitting platform. Phone +49 (0) 7231 - 29 863 00 / Email: sales@ditabis.de

Platforms for Orbital Shaker

Universal Platform with 5 rollers

Article no. 300200027

Double Universal Platform with 10 rollers

Article no. 300200028

Non-slipping platform

Article no. 300200025

Double Non-slipping platform

Article no. 300200026

Platform for 5 separating funnels 250 ml / 5 x 500 ml / 3 x 1000 ml

Article no. 300200037

Platform for 6 separating funnels 250 ml/ 500 ml

Article no. 300200038

Platform for fastening Erlenmeyer clips

Article no. 300200030

Shaker

Erlenmeyer clips

Article no.	Article description	Loading capacity of platforms
300200031	Erlenmeyer clip, 50 ml	40 x 50 ml Erlenmeyer clips
300200032	Erlenmeyer clip, 100 ml	20 x 100 ml Erlenmeyer clips
300200033	Erlenmeyer clip, 250 ml	12 x 250 ml Erlenmeyer clips
300200034	Erlenmeyer clip, 500 ml	9 x 500 ml Erlenmeyer clips
300200035	Erlenmeyer clip, 1000 ml	9 x 1000 ml Erlenmeyer clips
300200036	Erlenmeyer clip 2000 ml	5 x 2000 ml Erlenmeyer clips

More accessories for Orbital Shakers

Article no.	Article description
300200029	Roller for Universal Platform

3D Shaker 3D 05   Art.-no. 982100001

🔴 *Solid metal housing*
🔴 *Quiet operation! Suited for long-term work*

Technical specification

Temperature operation range	Amb. 0°C bis +50°C
Shaking frequency	5 bis 50 rpm
Angle of slope	8°
Timer	0 - 120 min.
Maximum load	5 kg
Dimensions platform (W x H)	260 x 290 mm
Outside dimensions (W x D x H)	340 x 400 x 125 mm
Weight	7,7 kg
Electrical supply	110...230 V, 50...60 Hz

Cable set

Article no.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

Shaker

3D Shaker 3DL 05   Art.-no. 982300001

- *Angle of slope 4° and extra big platform*
- *Solid metal housing: High temperature durability and longevity*

Technical specification

Temperature operation range	Amb. 0°C bis +50°C
Shaking frequency	5 bis 50 rpm
Angle of slope	4°
Timer	0 - 120 min.
Maximum load	5 kg
Dimensions platform (W x H)	350 x 350 mm
Outside dimensions (W x D x H)	340 x 400 x 125 mm
Weight	8,7 kg
Electrical supply	110...230 V, 50...60 Hz

Cable set

Article no.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

3D Shaker 3DP 05   Art.-no. 982200001

- *Double capacity*
- *Solid metal housing: High temperature durability and longevity*

Technical specification

Temperature operation range	Amb. 0°C bis +50°C
Shaking frequency	5 bis 50 rpm
Angle of slope	8°
Timer	0 - 120 min.
Maximum load	5 kg
Dimensions platform (W x H)	2 x 260 x 290 mm
Outside dimensions (W x D x H)	340 x 400 x 125 mm
Weight	8,4 kg
Electrical supply	110...230 V, 50...60 Hz

Cable set

Article no.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

More accessories for 3D Shaker

Article no.	Article description
300200039	Rubber mat with 12 channels, 260 x 290 mm for 3D Shaker

Aspiration Systems

High ease of use

Quick-lock-adaptors serially for faster bottle removal.

Space saving

Small device footprint.

Application diversity

Aspirators for all applications with Luer-Lock adapters.

Secure aspiration

Individual flow control and level control.

Aspiration Systems

Multifunctional Aspiration Systems AA 02 / 04 und AA 24

🔴 *High aspiration speed and final vacuum*
🔴 *Standard Luer-Lock connections*

Components

🔴 Automatic membrane vacuum pump (17 l / min air, 100 mbar abs.)
🔴 2 l or 4 l bottle incl. Quick-lock-adaptors, filter, ventilation insert &
   3 ml silicon hose
🔴 Adjustable Handle

Dimensions: 170 x 220 x 155 mm
Electric power: 100 W
Power supply: 230 V, 50 Hz

Article no.	Article description
981323101	AA 02 Aspiration system with 2 l bottle
981323001	AA 04 Aspiration system with 4 l bottle

🔴 *Automatic vacuum pump*
🔴 *Two users one price*

Standard for 2 users: components AA 24

🔴 Automatic membrane vacuum pump (17 l / min air, 100 mbar abs.)
🔴 4 l bottle incl. Quick-lock-adaptors, filter, ventilation insert &
   3 ml silicon hose
🔴 2 adjustable Handles
🔴 Y-distributor

Dimensions: 170 x 220 x 155 mm
Electric power: 100 W
Power supply: 230 V, 50 Hz

Article no.	Article description
981323201	AA 24 Aspiration system mit 4 l bottle, 2 handles

Cable set

Article no.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

17 l /min (air)   100 mbar abs.

Aspiration Systems

Standard Aspiration Systems AC 02 / 04

🔴 *Comfortable: Quick-lock-adaptors*
🔴 *Space saving: Small device footprint*

Components

🔴 **Membrane vacuum pump (25 l / min air, 250 mbar abs.)**

🔴 **2 l or 4 l bottle incl. Quick-lock-adapters, filter, ventilation insert & 3 ml silicon hose**

Dimensions: 170 x 220 x 155 mm
Electric power: 100 W
Power supply: 230 V, 50 Hz

Article no.	Article description
981423101	AC 02 Aspiration system with 2 l bottle
981423001	AC 04 Aspiration system with 4 l bottle

Cable set

Article no.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

25 l / min (air)　　**250 mbar abs.**

Compact Aspiration Systems AZ 02 / 04

🔴 *Ease of use: Quick-lock-adapters*
🔴 *Very quiet vacuum pump*

Components

🔴 **Membran vacuum pump (8 l / min air, 700 mbar abs.)**

🔴 **2 l or 4 l bottle incl. Quick-lock-adapters, filter, ventilation insert & 3 ml silicon hose**

Dimensions Pump: 75 x 170 x 60 mm
Electric power: 5 W
Power supply: 230 V, 50 Hz

Article no.	Article description
981523101	AZ 02 Aspiration system with 2 l bottle
981523001	AZ 04 Aspiration system with 4 l bottle

Cable set

Article no.	Article description
980000101	Country Set Europe
980000201	Country Set Switzerland
980000301	Country Set UK

8 l / min (air)　　**700 mbar abs.**

Aspiration Systems

Aspiration Devices AE & AK for vacuum connection in the laboratory

🔴 *Enjoy the benefits without the pump*
🔴 *Just connect the unit to an existing vacuum system*

Components simple aspiration device

🔴 **2 l or 4 l bottle incl. Quick-lock-adapters, filter, ventilation insert & 3 ml silicon hose**
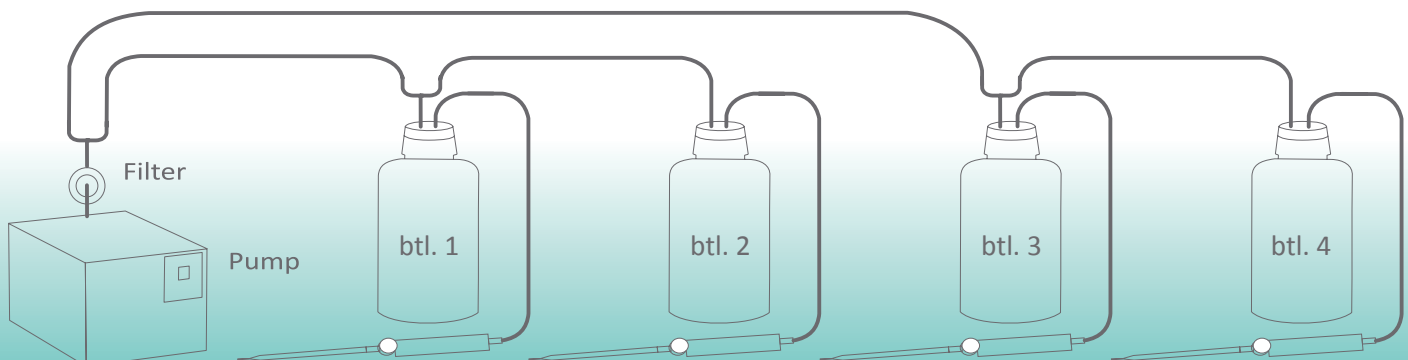
Components comfortable aspiration device

🔴 **2 l or 4 l bottle incl. Quick-lock-adapters, filter, ventilation insert & 3 ml silicon hose**
🔴 **Bottle holder**
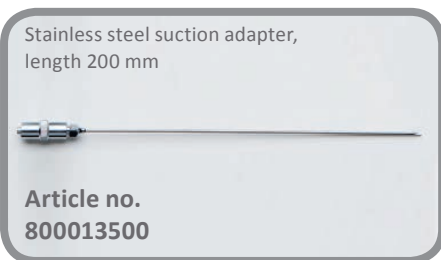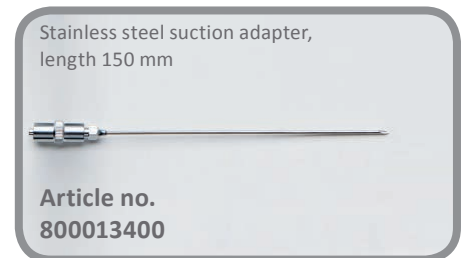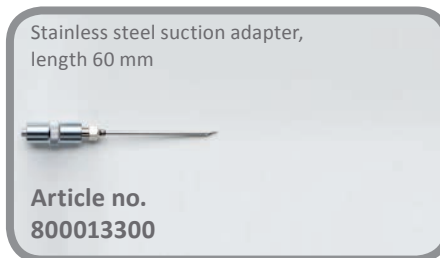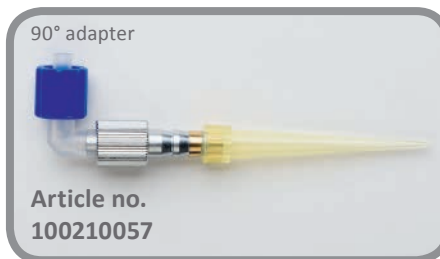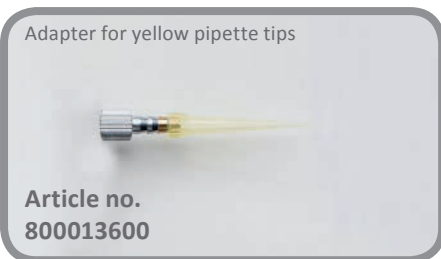🔴 **Handle**

Article no.	Article description
800015400	AE 02 Aspiration system with 2 l bottle
800015500	AE 04 Aspiration system with 4 l bottle
800014800	AK 02 Aspiration system with 2 l bottle
800014900	AK 04 Aspiration system with 4 l bottle

Extend the multifunctional aspiration systems up to four workplaces and reduce the costs per user!

Aspiration Systems

Handle and aspiration adapter

Handle with flow control with adapter for pasteur pipetts and luer lock adapter, incl. 90° adapter

Article no.
800013200

Adapter for yellow pipette tips

Article no.
800013600

90° adapter

Article no.
100210057

4-canal-Stainless adapter

Article no.
100210060

8-canal-Stainless adapter

Article no.
100210059

Stainless steel suction adapter, length 60 mm

Article no.
800013300

Stainless steel suction adapter, length 150 mm

Article no.
800013400

Stainless steel suction adapter, length 200 mm

Article no.
800013500

More Adapters

Article no.	Article description
100210058	Plastic Sydapter for Pasteur pipets and 8-channel
800013700	Adapter with aspiration rake, 8-channel, autoclavable
800015600	Aspiration rake, 8-channel, as spare part

Aspiration Systems

Bottles and more accessories for Aspiration Systems

Article no.	Article description
800014600	Spare bottle 2 l with fast lock clutches
800014700	Spare bottle 4 l with fast lock clutches
800014550	Acoustical level control sensor for 2l aspiration system
800014450	Acoustical level control sensor for 4l aspiration system
800010102	Bottle holder for 2 l bottle
800010202	Bottle holder for 4 l bottle
800014400	Cover for bottle 2 l with fast lock clutches
800014500	Cover for bottle 4 l with fast lock clutches
100210028	Hose clip for fast lock clutches
800015800	Safety filter (packing unit = 3 pieces)
800015900	Y-Distributor for connecting several collection unit
800050700	Stainless steel holder for handle
800014000	Foot switch for switching the pump on and off

Vacuum pumps

AP 04 Membrane vacuum pump, 700mbar

Article no. 800015300

AP 15 Membrane vacuum pump, 250 mbar

Bottle holder is optional.

Article no. 800015000

AP 30 Membrane vacuum pump, 100 mbar, Automatic

Bottle holder is optional.

Article no. 800015100

DITABIS Digital Biomedical Imaging Systems AG
Freiburger Str. 3 · 75179 Pforzheim/Germany · Phone: +49(0)7231 29863-00
www.ditabis.com