

## ORDERING INFORMATION

Order no.	Description
1808-0506	BioShake iQ
	ACCESSORIES
	<b>Thermo adapter for microplates &amp; PCR plates</b>
1808-1021	Adapter for microplate . Flat bottom standard
1808-1022	Adapter for microplate . Flat bottom High Base
1808-1032	Adapter for microplate . 96 well round bottom, type 2 . Greiner®, NUNC®, Matrix® plates
1808-1041	Adapter for PCR Plate . Eppendorf® 96 well . #0030-128.672
1808-1051	Adapter for PCR Plate . Eppendorf® 384 well . #0030-128.532
	<b>Thermo adapter for deep well &amp; storage plates</b>
1808-1121	Adapter for Deep Well Plate . Eppendorf® 96/1000 µl . #0030-503.209
1808-1131	Adapter for Deep Well Plate . Eppendorf® 96/500 µl . #0030-501.101
1808-1141	Adapter for Deep Well Plate . BRAND® 96/1100 µl . #701350
1808-1151	Adapter for Deep Well Plate . NUNC® 96/2000 µl . #278752 . Axygen® #P-DW-20-C
1808-1161	Adapter for Deep Well Plate . Axygen® 96/0.6 ml V-bottom . #P-DW-500-C
1808-1162	Adapter for Deep Well Plate . Axygen® 96/2.0 ml round bottom . #P-DW-20-C
1808-1171	Adapter for Abgene® 96/2.2 ml, square well storage plate . #AB-09032
1808-1172	Adapter for Abgene® 96/0.8 ml, round well storage plate . #AB-0765, #AB-0859
	<b>Thermo adapter for centrifuge tubes</b>
1808-1060	Adapter for tubes . 15x 5.0 ml
1808-1061	Adapter for tubes . 24x 2.0 ml or 15x 0.5 ml
1808-1062	Adapter for tubes . 24x 1.5 ml or 15x 0.5 ml
1808-1063	Adapter for tubes . 40x 0.5 ml or 28x 0.2 ml
1808-1064	Adapter for tubes . 96x 0.2 ml
1808-1093	Adapter for FALCON® tubes . 4x 50 ml or 2x 15 ml
1808-1094	Adapter for FALCON® tubes . 12x 15 ml
	<b>Thermo adapter for glass vials</b>
1808-1069	Adapter for glass vials . 35x 2.0 ml, Ø 10.8 mm
1808-1071	Adapter for glass vials . 30x 2.0 ml, Ø 12 mm
1808-1072	Adapter for glass vials . 20x 4.0 ml, Ø 15 mm
1808-1073	Adapter for glass vials . 20x 4.0 ml, Ø 17 mm
1808-1074	Adapter for glass vials . 20x 6.0 ml, Ø 19 mm
	Customized adapters are available on request

### Legal Notices & Trademarks

QINSTRUMENTS is owner of numerous patents worldwide. Please respect our intellectual property.  
 WO2008135565, US8323588, EP2144716: Sample handling device for and methods of handling a sample  
 WO2011113858, US9126162, EP2547431: Positioning unit for a functional unit  
 WO2013113847, US10052598, EP2809436: Cog-based mechanism for generating an orbital shaking motion  
 WO2013113849, US9371889, EP2809435: Mechanism for generating an orbital motion or a rotation motion by inverting a drive direction of a drive unit  
 WO2014207243, US20160368003, EP3013480: Application-specific sample processing by modules surrounding a rotor mechanism for sample mixing and sample separation

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Technical specifications are subject to change without notice.

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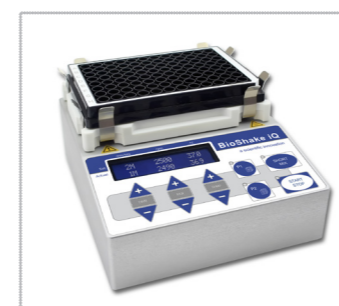
# BioShake iQ

## High-end thermoshaker for microplates & tubes

Recommended for use in the daily laboratory routine

## HIGHLIGHTS

- For all microplates, tubes and glass vials
- Fast **mixing** from 200 up to **3,000 rpm**
- High-precision **heating** from **ambient** to **99°C**
- Programmable
- Integrated timer and short mix function
- Stylish, fire resistant **aluminium** housing
- Wide range of adapters and blocks



## INTRODUCTION

### A scientific innovation for laboratories

Compact and stylish designed, the BioShake iQ high-speed thermoshaker lets you perform all your standard runs with a minimum of adjustments, and offers outstanding performance to handle a wide range of applications across biotechnology, pharmaceutical and academic research.

By combining the mixing operation with the incubation phase, reaction process times and operator workload are reduced and efficiency of many procedures is increased, resulting in a higher throughput.

### Gentle mixing of samples by planar orbital motion

German designed and manufactured, BioShake iQ thermoshaker offer an ultra-efficient, 2-dimensional shaking axis so that samples mix completely in a fraction of the time of competing systems. The mixing orbit of 2.0 mm is always constant. The orbital shaking is precisely controlled, in fact, that you need never spin down your plates after mixing. Even tubes, vials, high density plates, or low sample volumes, offer no obstacle for these precision tools.

Fully adjustable between 200 rpm and 3,000 rpm, well beyond the speeds of most other brands, guarantees fast, splatter-free, mixing for tubes, glass vials or across an entire 384-well microplate.

### Homogeneous and accurate temperature control

Within the BioShake iQ thinnest, large-area heating elements and sensors are integrated. The heat output of 75 W can be adjusted seamlessly from room temperature to 99°C. The equipment is fitted with a new and very reliable electronic temperature control which ensuring optimum warming of samples. During the heat up time the special electronic control system guarantees the same temperature for all vessels with minimal deviations. Precisely machined adapter plates allow an individual adaptation to the used sample holder.

### Stylish aluminium housing

The first-class finished aluminium housing gives the BioShake iQ its essential functionality. It provides a high amount of security, device stability and ensures a long service life.

## TECHNICAL SPECIFICATIONS



<b>Adapter Plates</b>	
Microplates	96-, 384-, 1536-well microplates (flat bottom, PCR, deep well, v-well, square-well and u-well shape)
Tubes	0.2 / 0.5 / 1.5 / 2.0 ml standard microfuge tubes
Glass vials	Glass vials 2-6 ml with Ø12, Ø15, Ø17, Ø19 mm
<b>Temperature</b>	
Temperature range	Heating from ambient to 99°C
Temperature setting	from 0°C to 99°C / 0.5°C increments
Temperature accuracy	±0.5°C at 45°C / ±1.0°C at 95°C
Heat-up time	10 min from ambient to 95°C (ca. 7°C/min), no active cooling
<b>Mixing</b>	
Mixing frequency	Microplates: 200-3,000 rpm, Tubes: 200-1,800 rpm, Vials: 200-1,800 rpm
Mixing orbit	constant 2.0 mm diameter
Speed setting resolution	50 rpm increments
Mixing regulation accuracy	± 25 rpm
Short-Mix function	Yes
<b>Timer</b>	
Timer setting	1 min - 99 h / with automatic switch to stand-by
Working / Alarm	Continuous working / Audible alarm
<b>Programming</b>	
Programs / Definable buttons	2 programs / Definable buttons P1 and P2
Individual program capacity / Memory	3 steps / Internal memory
<b>Display</b>	
Display	2x 16 digits LCD-display with backlight (blue)
Target values / Actual values	Time, Mixing frequency, Temperature
<b>Electrical</b>	
Operating Voltages	24 V DC input / 120 Watt
Power supply	External power supply unit / 100-240 V AC, 50-60 Hz
<b>Properties</b>	
Housing Material	Aluminum anodized
Environment operating range	+5°C to 45°C (80 % max. relative humidity)
Dimensions (W x D x H)	142 mm x 170 mm x 80 mm
Weight	2.7 kg

Order no. 1808-0506

## SCOPE OF DELIVERY

- 1x BioShake iQ
- 1x Power supply 110-240 VAC, 50-60 Hz, 24 VDC
- 2x Power cords - US & EU/DE
- 1x Calibration certificate
- 1x Documentation
- Adapter

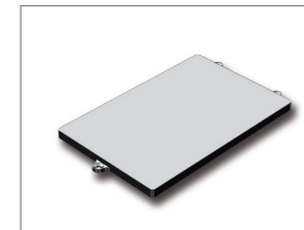
Free delivery worldwide  
2 year full warranty  
Expert support

[www.QInstruments.com](http://www.QInstruments.com)

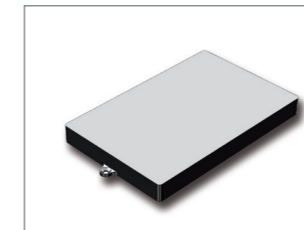
## CHANGEABLE THERMO ADAPTER PLATES

### A variety of standardized thermo adapter plates

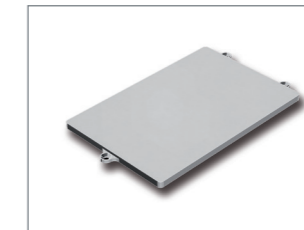
For all BioShake units Q.Instruments offers high precision adapter plates to allow a perfect fit for all kinds of standard tubes, vials, microplates and other different disposables. The adapter plates are optimized for an excellent heat transfer to the disposables and enhance the uniformity over all wells and the heat up or cool down time. The exchange of adapter plates can be performed very easily within one minute.



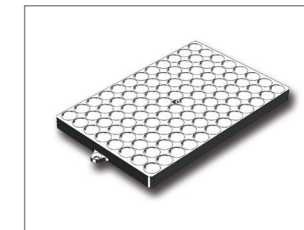
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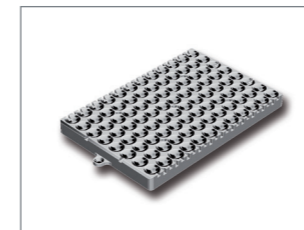
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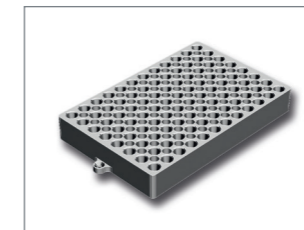
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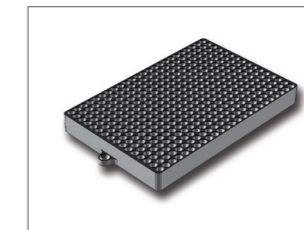
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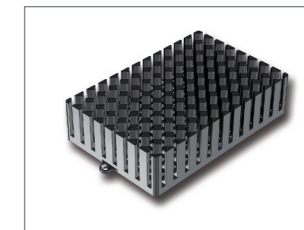
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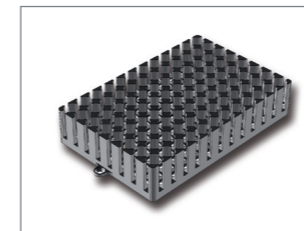
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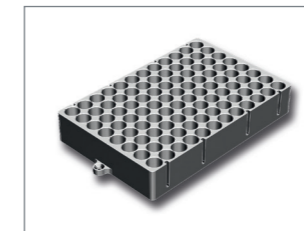
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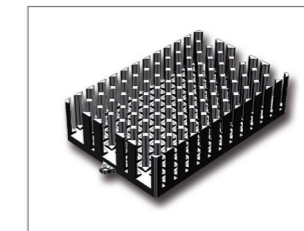
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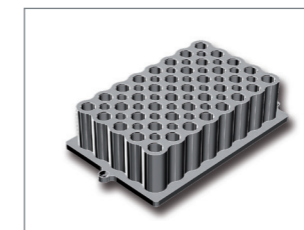
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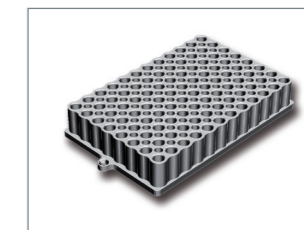
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Order no. 1808-1071



Order no. 1808-1072



Order no. 1808-1073



Order no. 1808-1074



Order no. 1808-1511



Order no. 1808-1521

### Special adapter and customized solutions

We develop and design your adapter according to your sample carrier and specification. An accepted specification needs to contain the following complete information: name of the sample container, name of the manufacturer, article number, and a general description of the area of application.