

## ORDERING INFORMATION

Order no.	Description	
1808-0505	BioShake XP	
	ACCESSORIES	
	<b>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>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	
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>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>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	
	<b>Customized adapter</b>	
1808-1000	Customized adapters are available on request	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  
 WO02022128814A1: Laboratory apparatus comprising a fixing mechanism for fixing a slide  
 WO02022128809A2: Laboratory apparatus comprising a mixing mechanism for mixing a medium of a slide  
 Please notify us in writing, by email or mail to our designated agent, if you believe that a user has infringed our intellectual property rights.  
 QINSTRUMENTS trademarks are recognised worldwide. Please respect our trademarks as we will vigorously protect their proper usage. BioShake® (QINSTRUMENTS GmbH)  
 Trademarks of third parties may appear on this site when referring to those entities or their products or services. All registered names, trademarks, etc. used on this site, even when not specifically marked as such, are not to be considered unprotected by law. Any names and trademarks not specifically marked or listed are property of the respective owner.  
 Technical specifications are subject to change without notice.



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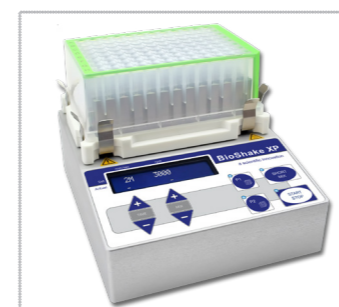
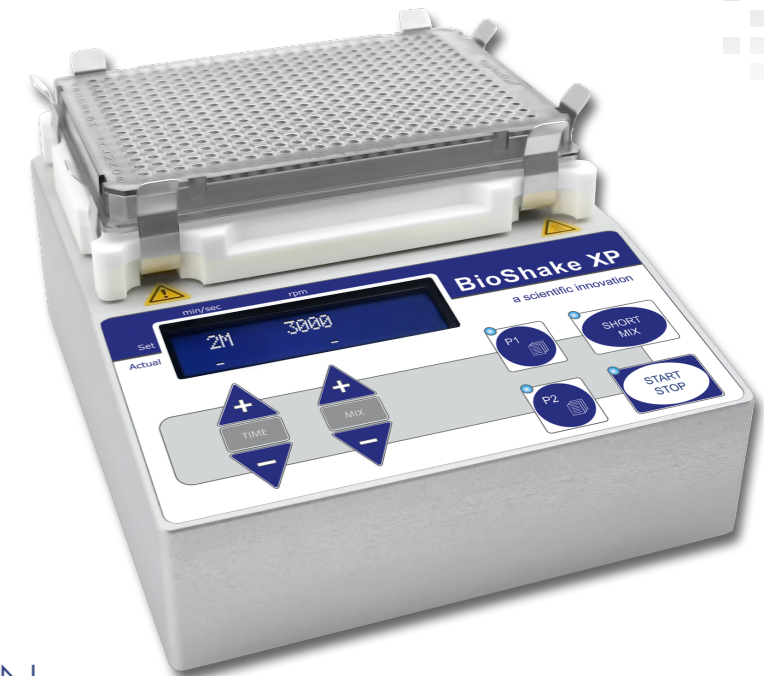
# BioShake XP

## High-speed mixing for every laboratory

Recommended for PCR steps within illumina TruSeq™ & TruSight™ guides.

## HIGHLIGHTS

- For microplates, tubes and glass vials
- Universal spring clamps suitable for all plates
- Vibration-free mixing movements
- Fast mixing from 200 up to 3,000 rpm
- Programmable
- Integrated timer and short mix function
- Stylish, fire resistant aluminium housing



## INTRODUCTION

### Small . Light . Efficient . Quiet

Compact and stylishly designed, the BioShake XP high-speed lab shaker 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. Microplate assays can be realised safely using adjustable mixing speeds up to 3,000 rpm.

### Universal spring clamps

Eight spring clamps are inserted in the corners for easy fixation of microplates, deep well plates or PCR plates in SBS format 127.7 x 85.5 mm without an attached adapter. The spring clamps lock the microplates quickly and safely, even at the highest mixing frequencies. Fast mixing processes with frequent plate changes can be performed in the routine easily and safely.

### The science of mixology

German-designed and manufactured BioShake XP plate mixer offers 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, so never spin down your plates after mixing.

### Operation & Programming

Programming the BioShake XP works via direct touch buttons. In addition, two buttons for start and storage of time and mixing modes enable the instrument to run complex applications. It is possible to store two automatic programs (P1 & P2). Both programs can have three different steps with different times and mixing frequencies for each step.

### Unique design meets high-end technology

The safety of the user and ease of use is a priorities. The unique and efficient design combined with the most compact housing result in beautiful and well-defined laboratory equipment. Therefore, the first-class finished aluminium housing gives the BioShake XP its essential functionality. It provides high security and device stability and ensures a long service life..

## TECHNICAL SPECIFICATIONS



<b>Adapter Plates</b>	
Microplates	All 96-, 384-, 1536-well microplates All PCR plates, deep well plates, storage plates
Tubes	0.2, 0.5, 1.5 and 2.0 ml standard microfuge tubes
Glass vials	Glass vials 2-6 ml with Ø12, Ø15, Ø17, Ø19 mm
<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 / 15 Watt eff
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

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## SCOPE OF DELIVERY

- 1x BioShake XP
- 1x Power supply 110-240 VAC, 50-60 Hz, 24 VDC
- 1x Power cord - Europe
- 1x Power cord - related to the respective destination country
- 1x Calibration certificate
- 1x Documentation

Be a part of QInstruments!

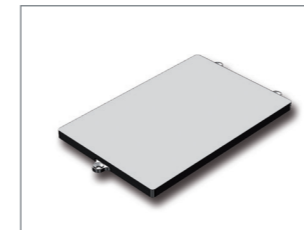
Free delivery within 48h  
2 year full warranty  
Expert support

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

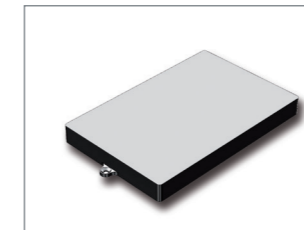
## CHANGEABLE THERMO ADAPTER PLATES

### A variety of standardized thermo adapter plates

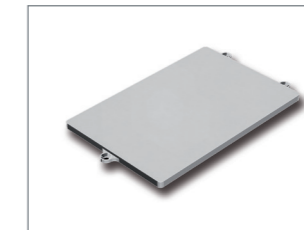
For all BioShake units QInstruments offers high precision adapter plates to allow a perfect fit for all kinds of standard tubes, vials, microplates and other different disposables. The adapter plates are optimized for an excellent heat transfer to the disposables and enhance the uniformity over all wells 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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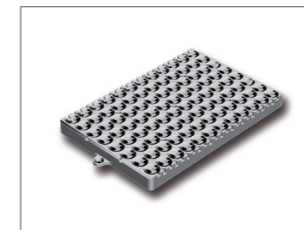
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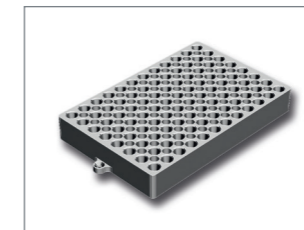
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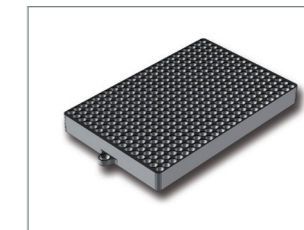
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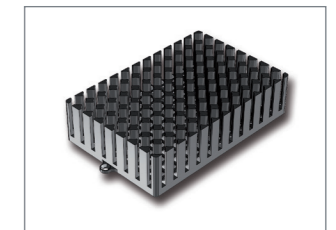
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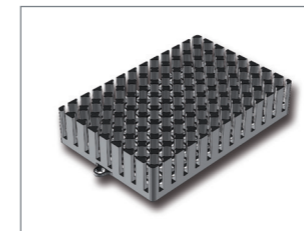
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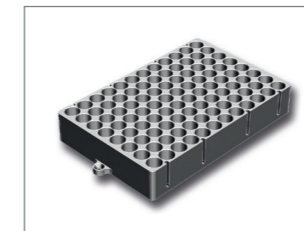
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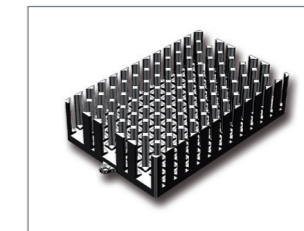
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Order no. 1808-1131



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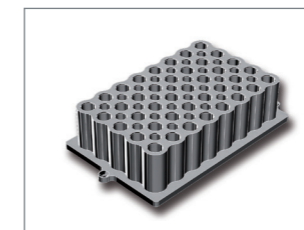
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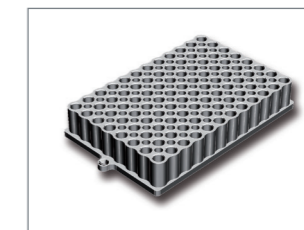
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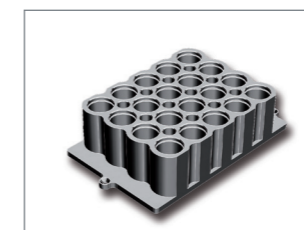
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Order no. 1808-1072



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.