



# BioShake XP



## ORDERING INFORMATION

Order no.	Description
1808-0505	BioShake XP
	<b>ACCESSORIES</b>
	<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
1808-1031	Adapter for microplate . 96 well round bottom, type 1 . Corning® #3367, #3789
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>Adapter for Alere™</b>
1808-1081	Adapter for Alere™ ArrayStrip (5 stripes, incl. passive heating-cover and cooling-cover)
1808-1085	Adapter for 24x Alere™ ArrayTube 1.5 ml
1808-1023	Adapter for Alere™ ArrayStrip, flat bottom (12 stripes, for using with standard frame)
	<b>Customized adapter</b>
1808-1000	Customized adapters are available on request

QInstruments will process the order as fast as possible and customers normally receive within 24 hours a personal message with all information for the further follow-up. You will get informed if there will be a change in the delivery time. Our standard terms and conditions of business apply (AGB's). QInstruments will execute the services in a way that it will fit the indicated claims.

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## 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 stylish 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. Assays in microplates can be realized safe with using adjustable mixing speed up to 3,000 rpm.

### Universal spring clamps

In the corners eight spring clamps are inserted 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 as easy and safe.

### The science of mixology

German designed and manufactured, BioShake XP plate mixer 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.

### 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 2 automatic programs (P1 & P2). Both programs can have 3 different steps with different time and mixing frequency for each step.

### Unique design meets high-end technology

Safety of the user and ease of use are clearly a priority. 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 a high amount of security, 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

Order no. 1808-0505

2 year full warranty

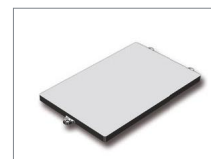
## SCOPE OF DELIVERY

- 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

## 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.



Order no. 1808-1021



Order no. 1808-1022



Order no. 1808-1024



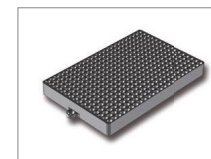
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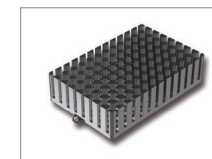
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Order no. 1808-1041



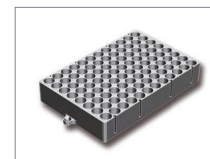
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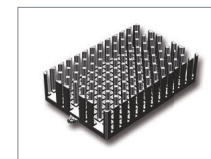
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Order no. 1808-1141



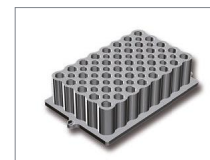
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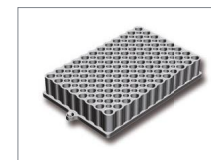
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Order no. 1808-1064



Order no. 1808-1067



Order no. 1808-1071



Order no. 1808-1072



Order no. 1808-1073



Order no. 1808-1074



Order no. 1808-1511



Order no. 1808-1521