

BioShake iQ ThermoMixer

High speed shaker for multiple applications

For MICROPLATES, TUBES and GLASS VIALS

HIGHLIGHTS

- Fast shaking up to 3,000 rpm
- Accurate and quick heating from ambient to 99°C
- **3D-Shake-Control:** efficient and precise controlled orbital mixing - eliminates need for centrifugation after mixing
- **Anti-Spill Technology:** Precisely controlled 3-dimensional mixing prevents spilling and lid wetting
- **Anti-Vibration Technology:** Eliminates vibrations and noise for a more relaxed experience
- Guaranteed reproducible mixing
- Programmable with integrated vortex and short mix functions
- Very small, very efficient and very quiet



Heats up to 99°C

Vibration-free

Compact Size

3,000 rpm

INTRODUCTION

Introducing the über-shaker

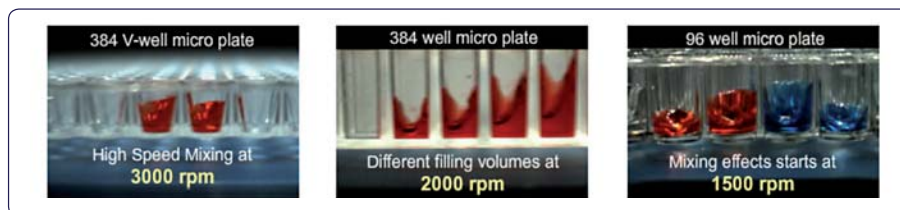
For precise control of speed and temperature in a small package, the BioShake iQ has no equal. Boasting the same mixing mechanics as the XP, the iQ adds the popular feature of full thermal control over the shaking samples. All of this, and still with a footprint no bigger than 2 microplates side-by-side, promises well-blended samples in a variety of tube and plate types. No wonder that a growing number of samples are taking a ride on the BioShake iQ.

The science of mixology

Of German design and manufacture, BioShake Plate Mixers offer an ultra-efficient, 3-dimensional shaking axis so that samples mix completely in a fraction of the time of competing systems. The orbital shaking is so precisely controlled, in fact, that you need never spin down your plates after mixing. Even high density plates, or low sample volumes, offer no obstacle for these precision tools. Fully adjustable between 200 rpm and 3000 rpm, well beyond the speeds of most other brands, guarantees fast, splatter-free mixing for tubes, glass vials or across an entire 1536-well microplate. Discover why BioShake Plate Mixers are without peer in the industry.

Vibration-free action

To say that BioShake Plate Mixers are whisper quiet is not an overstatement. These devices are intended to shake only tubes and to mix their contents – not to vibrate the entire lab bench or robotic deck. A large part of the noise reduction is derived from a patented dampening system which relies upon ingenious counter-weight symmetry. Your eyes will see a blur, but your ears won't believe it.



TECHNICAL SPECIFICATIONS

Adapter Plates	
Microplates	96-, 384-, and 1536-well microplates / deep well plates / PCR plates
Tubes	0.2 / 0.5 / 1.5 and 2.0 ml standard tubes
Glass vials	2.0 and 4.0 ml glass vials
Temperature	
Temperature range	ambient to 99°C
Temperature setting	0.1°C increments / adjustable from 0°C to 99°C
Temperature accuracy	± 0.1°C
Temperature uniformity	± 0.5°C
Heat-up time	7°C/min (ambient to 95°C in 10 min)
Mixing	
Mixing frequency	200 to 3,000 rpm (microplates) / 200 to 1,800 rpm (tubes, glass vials)
Mixing orbit	constant 2 mm diameter
Speed setting resolution	50 rpm increments
Mixing accuracy	± 25 rpm
Short-Mix function	Yes
Timer	
Timer setting	1 min - 99 h / with automatic switch to stand-by
Timer setting resolution Readability	1 min Minutes, Seconds
Continuous working Audible Alarm	Yes Yes
Programming	
Programs stored Definable buttons	2 P1 and P2
Individual program capacity Internal memory	3 steps Yes
Display	
Display	LCD-display with backlight (blue)
Adjustable parameters	Time, Mixing frequency, Temperature
Electrical	
Controller	Micro controller
Power switch	Yes
Operating Voltages	24 V DC input / 100 Watt
Power supply	External power supply unit / 100-240 V AC, 50-60 Hz
Properties	
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 (5.59 in x 6.69 in x 3.14 inches)
Weight	2.7 kg (5.95 lbs)

ORDERING INFORMATION

Made in GERMANY

Cat. No.	Description	Price
1808-0506	BioShake iQ	\$ 1,895
1808-1021	Microplate adapter - Flat bottom	\$ 395
1808-1031	Microplate adapter - 96 well round bottom, universal	\$ 395
1808-1041	Microplate adapter - 96 well standard PCR plate, universal	\$ 395
1808-1051	Microplate adapter - 384 well standard PCR plate, universal	\$ 395
1808-1061	Adapter - 24 x 2.0 ml or 15 x 0.5 ml tubes	\$ 395
1808-1062	Adapter - 24 x 1.5 ml or 15 x 0.5 ml tubes	\$ 395
1808-1063	Adapter - 40 x 0.5 ml or 28 x 0.2 ml tubes	\$ 395
1808-1064	Adapter - 96 x 0.2 ml tubes	\$ 395
1808-1071	Adapter - 24 x 2.0 ml glass vials	\$ 395
1808-1072	Adapter - 20 x 4.0 ml glass vials	\$ 395

