



### Thermomixer-Mixer HC



#### **Product Highlights**

- Mixing, heating, cooling and timing combined in one instrument
- Automatic thermoblock recognition simplifies block exchange
- PROGRAM mode for creation of individual protocols
- SHORT MIX function for instant mixing at the push of a button
- INTERVAL MIX function for alternating between mixing and resting
- Robust housing and small footprint
- 2-year warranty
- Thermoblock is not included

# **Product Applications**

Sample Preparation

Purification of plasmids, DNA, RNA

cDNA synthesis

Enzyme reactions (restriction digest, ligations, proteinase-K-digestion)

Denaturation of DNA, RNA, proteins

Labeling of DNA, RNA, proteins

Cultivation of bacteria in microcentrifuge tubes, centrifuge tubes and deepwell plates

Transformation of bacteria and plasmids

Resuspension of pellets

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## **General Data**

Art. No.         \$8012-0000           Pack Size         1 Piece (1 Box × 1 Piece)           Dimensions (W × D × H)         220 mm × 250 mm           Dimensions (W × D)         220 mm × 250 mm           Weight         3.2 kg           Autoclavable         No           Type of movement         Orbital           Operation         Mixing, temperature control, simultaneous mixing and temperature control           Power supply         100 – 240 V, 60/60 Hz           Max. power consumption         90 W           Timing capacity         1 min to 99:59 hours, infinitely adjustable           Mixing frequency 0.5 ml tube         300 - 1500 1/min           Mixing frequency 1.5 / 2.0 ml tube         300 - 1500 1/min           Mixing frequency 5.0 ml         300 - 750 1/min           Mixing frequency 1.5/50 ml tube         300 - 750 1/min           Mixing frequency Cryo genic tube         300 - 1400 1/min           Mixing frequency plates         300 - 800 1/min when loading>200 g           Cooling rate         2 to 3 *C/min           Heating rate         5 *C/min           Operating temperature         4 to 35 *C           Fermissible Ambient Temperature         4 - 35 *C           Temperature Control Range Tubes         13 *C below room temperature to 99 *C <th></th> <th></th>		
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Temperature Control Range Tubes 13 °C below room temperature to 99 °C	Permissible Ambient Temperature	4 – 35 °C
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Temperature Control Range Plates	10 °C below room temperature to 99 °C
Interfaces	RS-232, Sub-D9 male
Mixing orbit	3 mm
Sample capacity	Capacity depends on thermoblock used
Speed Range	300 – 1,500 rpm - depends on the thermoblock used

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### More informations about Thermomixer-Mixer HC

#### Mixing. Heating. Cooling. Timing. - All combined in one unit to speed up your daily tasks

The Mixer HC is suitable for a wide range of applications due to the selection of exchangeable thermoblocks (sold separately) available for commonly used vials and plates. The powerful motor mixes up to 1500 rpm while the precise thermal element heats samples up to 99° C or cools them down as far as 13° C below room temperature. The intuitive setting of parameters and simple programming makes the Mixer HC very easy to use, with all parameters summarized on one, easy to read display. The robust construction despite its small footprint makes the Mixer HC your new companion for your daily lab work.

Nine exchangeable thermoblocks (sold separately) for a wide range of tube and plate formats are available. The Mixer HC offers precise temperature control and broad temperature range for reliable and reproducible sample preparation

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# Accessories

PRODUCT NAME		PACKAGING SIZE	ART. NO.
	ISO-Rack for 24 x 1.5/2.0 ml Microcentrifuge Tubes	1 Piece (1 Box × 1 Piece)	S8012-0021
	ISO-Rack for 24 x 0.5 ml Microcentrifuge Tubes	1 Piece (1 Box × 1 Piece)	\$8012-0020
	Adapter Plate 96 x 0.2 ml (for use with Thermoblock S8012-0018)	1 Piece (1 Box × 1 Piece)	S8012-0019
MF	Thermoblock for Micro/Deepwell Plates, with Lid	1 Piece (1 Box × 1 Piece)	S8012-0018
FILLE CON	Thermoblock 24 x 1.5/2.0 ml Cryo Tubes	1 Piece (1 Box × 1 Piece)	S8012-0017
	Thermoblock 4 x 50 ml Conical Centrifuge Tubes	1 Piece (1 Box × 1 Piece)	S8012-0016
~	Thermoblock 8 x 15 ml Conical Centrifuge Tubes	1 Piece (1 Box × 1 Piece)	S8012-0015
	Thermoblock 8 x 5.0 ml Preparation Tubes	1 Piece (1 Box × 1 Piece)	S8012-0014
######################################	Thermoblock 24 x 2.0 ml Microcentrifuge Tubes Ø 12 mm	1 Piece (1 Box × 1 Piece)	S8012-0013
2.	Thermoblock 24 x 2.0 ml Microcentrifuge Tubes	1 Piece (1 Box × 1 Piece)	S8012-0012
1.	Thermoblock 24 x 1.5 ml Microcentrifuge Tubes	1 Piece (1 Box × 1 Piece)	S8012-0011
	Thermoblock 24 x 0.5 ml Microcentrifuge Tubes	1 Piece (1 Box × 1 Piece)	S8012-0010

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