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.	S8012-0000
Pack Size	1 Piece (1 Box × 1 Piece)
Dimensions (W × D × H)	220 mm × 250 mm × 125 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, 50/60 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 - 1400 1/minFind more information at www.starlab.click/mixerhc
Mixing frequency 5.0 ml	300 - 750 1/min
Mixing frequency 15/50 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
Permissible Ambient Temperature	4 – 35 °C
Temperature Control Range Tubes	13 °C below room temperature to 99 °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)	S8012-0020
	Adapter Plate 96 x 0.2 ml (for use with Thermoblock S8012-0018)	1 Piece (1 Box × 1 Piece)	S8012-0019
	Thermoblock for Micro/Deepwell Plates, with Lid	1 Piece (1 Box × 1 Piece)	S8012-0018
	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
	Thermoblock 24 x 2.0 ml Microcentrifuge Tubes	1 Piece (1 Box × 1 Piece)	S8012-0012
	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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