

Mixing. Heating. Cooling. Timing.

Your lab partner, our **Mixer HC.**



Passionate for science.



The Mixer HC – one small device, so many uses.

THE PERSONAL LAB ASSISTANT YOU'VE ALWAYS WANTED, IN ONE COMPACT UNIT

The Mixer HC is an essential bit of kit for any lab. Nine different thermoblocks for use with all common vials and plates means the Mixer HC will become your “go to” piece of equipment for a wide range of applications. It’s so convenient! You can mix, you can heat, and you can mix and heat at the same time! It will also cool your sample down and, you can time each step along the way. Easy to use and to program, the Mixer HC will prove to be an invaluable benchtop companion to help speed up your daily laboratory tasks.

IDEAL FOR A WIDE RANGE OF APPLICATIONS

- 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



SMALL ENOUGH TO FIT
ON ANY LAB BENCH

Mixer HC

MIXING, HEATING, COOLING & TIMING

combined in one unit to help speed up your daily tasks

EASY TO USE

Digital display for precise adjustment. Clear menu navigation and simple parameter setting

PRECISE TEMPERATURE CONTROL

up to 99°C; or down to 13°C below room temperature

MIXING

up to 1500 rpm

TIMING

1 min to 99:59 hours

SMALL, COMPACT UNIT

You will not believe how small it is!

FUNCTIONAL

INTERVAL MIX: alternate between mixing & resting

PROGRAM MODE: create your own protocols

SHORT MIX: instant mixing at the push of a button

AUTOMATIC THERMOBLOCK RECOGNITION

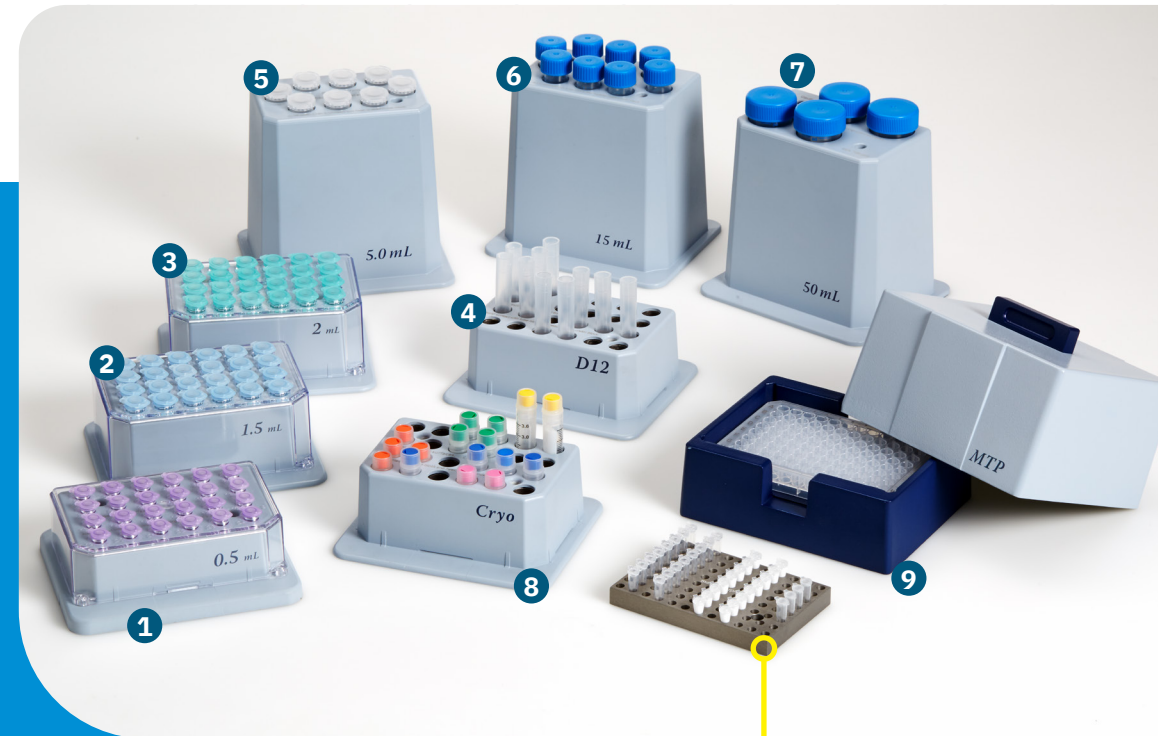
provides quick and easy changing of thermoblocks between protocols. No programming required!

 www.starlab.click/mixerhc

The Thermoblocks

NINE THERMOBLOCKS PROVIDE MAXIMUM FLEXIBILITY AT THE BENCH

- 1 **0.5 ml** Microcentrifuge Tubes (x24)
- 2 **1.5 ml** Microcentrifuge Tubes (x24)
- 3 **2.0 ml** Microcentrifuge Tubes (round) (x24)
- 4 **2.0 ml** Microcentrifuge Tubes (v-shaped, Ø 12mm) (x24)
- 5 **5.0 ml** Preparation Tubes (x8)
- 6 **15 ml** Conical Centrifuge Tubes (x8)
- 7 **50 ml** Conical Centrifuge Tubes (x4)
- 8 **1.5/2.0 ml** Cryo Tubes (x24)
- 9 **Micro / Deepwell Plates**, with Lid



ADAPTER
PLATE

Plus an adapter plate is also available to convert the Microplate / Deepwell Plate Thermoblock (9) for use with **96 x 0.2 ml PCR tubes or one PCR plate.**

The Iso-Rack

FAST AND EASY HANDLING OF MULTIPLE SAMPLES

The Iso-Rack is ideal for time-critical applications and high throughput sample preparation. Prepare your samples in your tubes, using the Iso-Rack as your bench rack. You can then transfer all 24 tubes to the thermoblock at the same time, in seconds!

The Iso-Rack is supplied free with the following thermoblocks:

- 1 **0.5 ml** Microcentrifuge Tubes (x24)
- 2 **1.5 ml** Microcentrifuge Tubes (x24)
- 3 **2.0 ml** Microcentrifuge Tubes (round) (x24)

and is also available to purchase separately.



for 0.5 ml tubes






for 1.5 / 2.0 ml tubes



 www.starlab.click/mixerhc

Ordering Information

	Description	Pack Size	Cat. No.
	Mixer HC ¹⁾	1	S8012-0000
Accessories			
	Thermoblock 24 x 0.5 ml Microcentrifuge Tubes ²⁾	1	S8012-0010
	Thermoblock 24 x 1.5 ml Microcentrifuge Tubes ³⁾	1	S8012-0011
	Thermoblock 24 x 2.0 ml Microcentrifuge Tubes, Round Bottoms ³⁾	1	S8012-0012
	Thermoblock 24 x 2.0 ml Microcentrifuge Tubes Ø 12 mm, V-Shaped Bottoms	1	S8012-0013
	Thermoblock 8 x 5.0 ml Preparation Tubes	1	S8012-0014
	Thermoblock 8 x 15 ml Conical Centrifuge Tubes	1	S8012-0015
	Thermoblock 4 x 50 ml Conical Centrifuge Tubes	1	S8012-0016
	Thermoblock 24 x 1.5/2.0 ml Cryo Tubes	1	S8012-0017
	Thermoblock for Micro/Deepwell Plates, with Lid	1	S8012-0018
	Adapter Plate 96 x 0.2 ml Tubes or a PCR plate (for use with Thermoblock S8012-0018)	1	S8012-0019
	ISO-Rack for 24 x 0.5 ml Microcentrifuge Tubes	1	S8012-0020
	ISO-Rack for 24 x 1.5/2.0 ml Microcentrifuge Tubes	1	S8012-0021

2-year Warranty. ¹⁾Thermoblock is not included. ²⁾Includes Iso-Rack (S8102-0020) for 0.5 ml microcentrifuge tubes with lid (tubes not included) ³⁾Includes Iso-Rack (S8102-0021) for 1.5/2.0 ml microcentrifuge tubes with lid (tubes not included)

Technical specifications	
Temperature control range	
Thermoblocks for microcentrifuge tubes	13 °C below room temperature, to 99 °C
Thermoblocks for microplates / deepwell plates	10 °C below room temperature, to 99 °C
Mixing frequencies for thermoblocks	
1.5 / 2.0 ml microcentrifuges tubes	300 to 1400 1/min ⁴⁾
Speed Range	300 rpm to 1500 rpm – depends on the thermoblock used
General Unit Specification	
Sample capacity	Depends on the thermoblock used
Type of movement	Orbital
Mixing orbit	3 mm
Operation	Mixing, temperature control, simultaneous mixing and temperature control
Heating rate	5 °C/min
Cooling rate	2 to 3 °C/min
Timing capacity	1 min to 99:59 hours, infinitely adjustable
Autoclavable	No
Power supply	100 – 240 V, 50/60 Hz
Max. power consumption	90 W
Permissible ambient temperature	4 – 35 °C
Permissible Relative Humidity	70 % max.
Dimensions (W × D × H)	220 × 250 × 125 mm
Weight	3.2 kg
⁴⁾ Find more information at www.starlab.click/mixerhc	

The accompaniments

We have a wide range of consumables for use with your Mixer HC. Here is just a small selection of the tubes and plates we have that are compatible with the Mixer HC Thermoblocks.



MICROCENTRIFUGE TUBES

TubeOne® tubes stay sealed during boiling, freezing or centrifuging, and are still easy to open afterwards!

 www.starlab.click/tubeone



CENTRIFUGE TUBES

Don't get in a spin!
Starlab's centrifuge tubes fulfill the highest demands on sterility.

 www.starlab.click/centrifuge tubes



PREPARATION TUBES

Ideal for biological or chemical solution preparation.

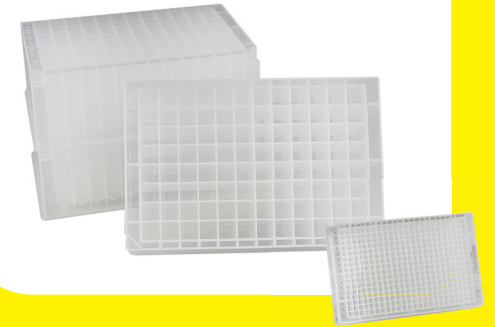
 www.starlab.click/preparation tubes



CRYOGENIC VIALS

Cryogenic vials for the storage and transportation of biological material.

 www.starlab.click/cryovials



DEEPWELL PLATES

Take a look at our wide range of plates and find the right plate for your specific application.

 www.starlab.click/deepwell plates



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The Mixer HC is an essential bit of kit for any lab. It offers precise temperature control and a broad temperature range for reliable and reproducible sample preparation. The Mixer HC is easy to use and will soon become your daily companion to help speed up your laboratory tasks.

Find out more about the versatility of the Mixer HC on our website.

Scan QR code for more
information & ordering

www.starlab.click/mixerhc

