

# MQ Refrigerated Tissue Homogenizer

Cat No: RTH-M-96

**MOLEQULE-ON**<sup>®</sup>



## Description

RTH-M-96 is an upgraded low-temperature homogenizer, which can reach a temperature as low as  $-50^{\circ}\text{C}$  in the chamber and also equipped with a freezing table. It adopts high-speed reciprocating motion of the vertical shaking system. The frozen sample in the grinding tube collides with the grinding bead, and the resulting grinding shear force and impact force completely break down the tissue. Up to 192 samples can be processed simultaneously in one minute, making it a dedicated device that meets the requirements of rapid processing of multi-sample.

## Applications

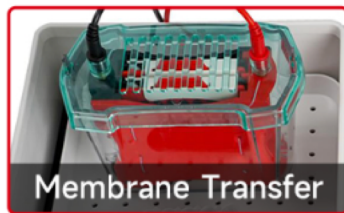
Homogenized samples can be used in various experiments; including Western Blotting, Biochemistry, Molecular Biology, ELISA, PCR, HPLC-MS, Library construction and Sequencing

## Features

- Slider drive, no wear shaft, noise stability and durability;
- Equipped with low temperature freezing table. It can meet the needs of sample storage, electrophoresis, membrane transfer and other low-temperature experiments;
- High-quality compressor, lowest cooling temperature of  $50^{\circ}\text{C}$ , low temperature grinding throughout the process, reducing degradation of proteins and RNA;
- Up to 192 samples can be processed simultaneously in 1 minute (24 samples can be processed with standard) efficiently and effectively completing sample grinding with high throughput;
- Multiple adapters to choose;

## Independent Cryogenic Freezing Table

Meet a Variety of Low-Temperature Experimental Needs



## Variety of Samples

Suitable for all kind of Animal tissues; including brain, heart, lung, stomach, liver, thymus, kidney, intestine, lymph nodes, muscle, bone, etc.

All kind of Plant tissue; including roots, stems, leaves, flowers, fruits, seeds, etc.

Suitable for grinding and crushing food and drug ingredient analysis and detection.

## Interface

User friendly interface with simple and multi-parameters.

Name	liver	Selection	Temp
Grinding chamber	-30.0°C	Grinding chamber Temp	-30.0 °C
Freezer Table	-20.0°C	Freezer Table Temp	-30.0 °C
OP timer	20 S	OP speed	60 Hz
Pause timer	0 S	OP time	30 S
OP times	1 Times	Pause time	15 S
		OP times	2 Times

Parameter selection			
Process 1	Liver	Muscle	Skin
Vessel	Aorta	Cartilage	Plant leaf
Plant stem	Hair	Hair bone	Null

## Specifications

Product Model	RTH-M-96
Operating mode	The vertical shaking system moves back and forth at high speed
Temperature	-50 °C
Temperature control precision	± 1°C
Standard sample volume	24 x 2 ml
Maximum sample volume	192 pcs
Adapters specification	24x0.5mL, 24x2mL, 48x2mL, 32x2mL, 60x2mL, 96x2mL, 12x5mL, 10x10mL, 4x30mL (steel can), 6x5mL (steel can), 8x15mL (steel can) 2x50mL (steel can), 96x2mL (2pcs 96-deep well plate)
Freezing table	Available
Working time	0-99min99s
Screen size	5 inches
Emergency stop button	Yes
Electromagnetic safety lock	Screen click control with automatic power-off unlocking, the cover cannot be opened during operation until the grinding program ends, fully protected.
Cooling method	Compressor cooling
Advantages	Lower cooling temperature can reach -50°C. low temperature freezing table, Protects samples and meets low-temperature needs for Western Blot experiments, electrophoresis, and transfer membranes.
Power	200-240VAC,50-60 Hz,500 W