In Situ Hybridization System, 12-Slide FISH Hybridizer, RT+5 to 100°C, Touch Screen, 105 Programs

Model **MSISH-12-01SWISS** | Brand **Master Science**







The Master Science In Situ Hybridization System automates the denaturation and hybridization steps of FISH (fluorescence in situ hybridization) for up to 12 slides. Constant temperature and time are set on a touch screen, replacing manual handling and giving more consistent, reliable results.

KEY HIGHLIGHTS

- Less manual work
- Safer handling
- Fast temperature changes
- Recovers after outages

AT A GLANCE

RT+5°C to 100°C TEMPERATURE CONTROL RANGE	**0-100°C** TEMPERATURE SETTING RANGE
1 min to 99 h 59 min TIME RANGE	**≤ ±1°C** TEMPERATURE ACCURACY

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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Overview

The heating platform covers RT+5°C to 100°C with ±1°C accuracy and uniformity, reaches 95°C from 37°C in 2 minutes or less, and cools from 95°C to 45°C in 6 minutes or less. Denaturation and hybridization can be run in one sequence to shorten the workflow.

> For general slide and sample heating, see our Thermo Shaker Dry Bath alongside the In Situ Hybridization System.

Key Benefits

Less manual work
Follows the FISH processing steps automatically.

Safer handling
Reduces exposure to harmful reagents.

Fast temperature changes
37 to 95°C in 2 minutes or less.

Recovers after outages
Restarts automatically when power is restored.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSISH-12-01SWISS
SKU	MSISH-12-01SWISS
Capacity	**12 slides**
Temperature Control Range	**RT+5°C to 100°C**
Temperature Setting Range	**0-100°C**
Time Range	**1 min to 99 h 59 min**
Temperature Accuracy	**≤ ±1°C**
Temperature Uniformity	≤ ±1°C
Heating Time	≤ 2 min (37 to 95°C)
Cooling Time	≤ 6 min (95 to 45°C)
Operating Modes	Denaturation and hybridization; hybridization; multi-step
Fuse	250 V 3 A, 5 x 20 mm
Program Storage	105 custom programs

POWER	
Power	350 W
Input Voltage	AC 220 V or 110 V, 50-60 Hz

DIMENSIONS & WEIGHT	
Dimensions	440 x 220 x 120 mm
Weight	4.5 kg

FISH WORKFLOW PROBLEMS IT SOLVES	
Manual steps vary between runs	Programmed temperature and time control.
Long hands-on time	Denaturation and hybridization run in one program.
Exposure to harsh reagents	Less manual handling of slides.
Power cuts ruin runs	Automatic restart when power returns.

Applications

The In Situ Hybridization System is used for
Fluorescence in situ hybridization (FISH) Slide denaturation and hybridization Multi-step slide incubation programs Pathology and research laboratories

Temperature

- High-precision, low-fluctuation heating platform
- Automatic warm-up
- Automatic cooling at the end of a run
- ±1°C accuracy and uniformity

Operation

- Full touch screen interface
- Three modes: denaturation and hybridization, hybridization only, multi-step
- 105 custom programs
- Timer up to 99 h 59 min

Reliability

- Automatic restart after an unexpected power cut
- Humidity sponges with water for a moist chamber