

## MicroFISH® Hybridization Oven

Humidity-Controlled Oven for Incubation of MicroFISH Assay Slides



MicroFISH Hybridization Oven

A unique oven providing both humidity and temperature control during probe hybridization of MicroFISH® slides. Studies\* have shown that reduced humidity during MicroFISH slide incubation enhances probe signal intensities and shortens incubation time.

The humidity level within the oven is selected using a front panel controller that precisely regulates humidity to  $\pm 2\%$  from set point. A peristaltic pump automatically fills a humidity module inside the oven from an external 2L carboy of DI H<sub>2</sub>O. The oven is equipped with three sliding drawers that hold up to 27 CytoBrite® trays or 162 MicroFISH slides.

For Research Use Only

PRODUCT		CATALOG #
MicroFISH Hybridization Oven, 115V.		2040-70-1
MicroFISH Hybridization Oven, 230V.		2040-70-2
COMPANION INSTRUMENTS		CATALOG #
CytoBrite Slide Incubation System, 115/230V. <i>For denaturation.</i>		2019-00-1
Little Dipper Processor for FISH, 115V. <i>For post-hyb wash/dry.</i>		1080-70-1
Little Dipper Processor for FISH, 230V. <i>For post-hyb wash/dry.</i>		1080-70-2
SPECIFICATION	DESCRIPTION	
<b>Equipment Included</b>	MicroFISH Oven with 2L carboy	
<b>Electrical</b> Cat # 2040-70-X	115/230V AC, 50/60Hz, 6A/3A	
<b>Dimensions (HxWxD)</b>	22x18x17 inches (55x45x42 cm)	
<b>Instrument Weight</b>	70 lbs (32 kg) net	
<b>Slide Capacity</b>	162 MicroFISH Assay Slides	
<b>Performance</b>	Temperature range: ambient +5 to 42°C Temperature regulation: $\pm 0.5^\circ\text{C}$ from set point Humidity range: 40 to 70% relative humidity (RH) Humidity regulation: $\pm 2\%$ RH from set point	
PUB #	PUBLICATIONS	TYPE
525	MicroFISH Hybridization Oven User Manual	Manual

### System Highlights:

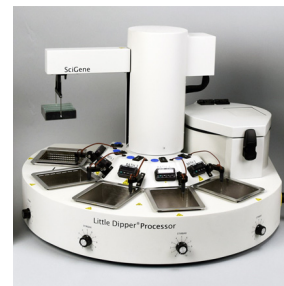
- Provides humidity control of MicroFISH slides for enhanced probe signals and short incubation times
- Both temperature and humidity are precisely regulated
- Humidification system automatically supplies water from external carboy
- Holds up to 162 MicroFISH slides

### Simple Workflow:

Coverslipped MicroFISH slides, without rubber cement, are denatured on the CytoBrite System and then moved to a MicroFISH Oven set at 37°C and 50% RH. After incubation for as little as one hour, slides are transferred to the Little Dipper® Processor for automatic coverslip removal, washing and drying. Slides are then counterstained and visualized.



Denatured slides are transferred from the CytoBrite System to the MicroFISH Oven.



Post-hyb, the Little Dipper Processor removes coverslips, washes and dries slides.



\*ACMG 2017 Exhibitor Theater Presentation:  
**Making FISH Simple and Cost Effective**  
by Eric Crawford Ph.D., FACMG  
Senior Director  
Genetics Associates, Nashville, TN.

