

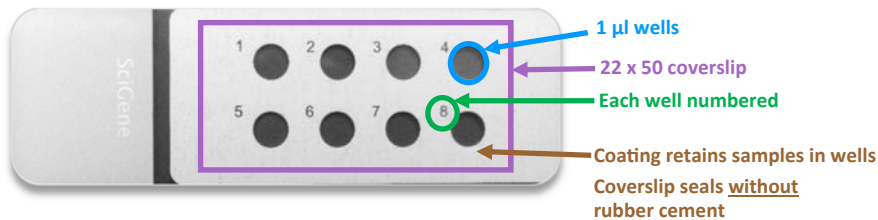
## MicroFISH<sup>®</sup> Assay System

The MicroFISH Assay System combines a new generation of microvolume, multiwell slides designed for cytogenetic applications with a simple workflow using SciGene's slide hybridization and processing equipment to form a simple and economical system for performing routine cellular FISH.

For Research Use Only

- Uses only 1  $\mu$ l probe per sample
- Reduces probe cost per test > 80%
- Simple workflow reduces labor >50%
- Run 8 probes per patient on one slide
- 1  $\mu$ l of cells/well conserves samples
- Single coverslip for 8 samples
- Coverslip seals without rubber cement
- Automated coverslip removal + slide washing

### MicroFISH Assay Slide



### Reduces Probe Cost per Test > 80%

(100 Cases/Week)

Probe Cost \$/ $\mu$ l	Annual Savings*
\$4	\$364,000
\$6	\$572,000
\$8	\$780,000
\$10	\$988,000

\*Compared to cost of 5  $\mu$ l probe and 4 probes per case.

### Simple Workflow Reduces Labor > 50%

(Example: 12 Patients / MDS Panel / Four Probes)

	Traditional		MicroFISH		Time Savings	
	# Slides		# Slides			
	# Coverslips		# Coverslips			
	Time (min)		Time (min)		Percentage (%)	
	Hands-On	Elapsed	Hands-On	Elapsed	Hands-On	Elapsed
Cell Dropping	30	30	15	15	50	50
Pretreatment	5	60	0	10	100	83
Probe + Coverslipping	60	60	18	18	70	70
Coverslip Removal	15	15	0	0	100	100
Post-hyb Wash/Dry	12	36	5	5	58	86
DAPI + Coverslip	24	24	12	12	50	50
<b>Total</b>	<b>146</b>	<b>225</b>	<b>50</b>	<b>60</b>	<b>66%</b>	<b>73%</b>

### Simple Workflow

Add 1  $\mu$ l cells/well.



Heat @ 90°C for 10 min.

Add 1  $\mu$ l probe per well.  
Place 22x50 mm coverslip.

**CytoBrite<sup>®</sup> System**  
79°C for 5 min.



**CytoBrite<sup>®</sup> Slide Oven**  
Overnight at 37°C.



**Little Dipper<sup>®</sup> Processor**  
Automates coverslip removal and post-hyb wash and dry.



Apply DAPI and coverslip.

