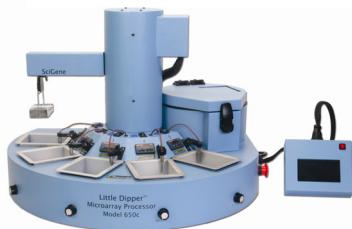


Little Dipper® for Agilent



Little Dipper Processor.

Automates post-hybridization processing of Agilent, OGT and BlueGnome oligo microarrays and Agilent SureFISH slides. Controls wash time, agitation, buffer temperatures and drying using an integrated centrifuge. Batches of 1 to 24 slides are processed following manufacturer recommended conditions. Comes with pre-loaded protocols for aCGH, gene expression, miRNA and ChIP-chip applications. Ready for use with Illumina BeadChips or for pre/post hybridization processing of FISH slides, with additional accessories.

For Research Use Only

PRODUCT	CATALOG #
Little Dipper Processor for Agilent, 115V.	1080-40-1
Little Dipper Processor for Agilent, 230V.	1080-40-2
ACCESSORIES	CATALOG #
Bath, Standard (670 ml).	1080-10-1
Bath, Low Volume, Non Heatable (210 ml).	1080-10-2
Bath, Low Volume, Heatable (275 ml).	1080-10-5
Bath Cover.	1080-12-0
Bath Cover Set.	1080-12-1
Slide Rack, 12-Position for standard 3 inch slides.	1080-20-1
Slide Rack, 24-Position for standard 3 inch slides.	1080-20-5
Absorbent Pads for 12-Position Rack Buckets.	1080-21-1
Absorbent Pads for 24-Position and Hybex Rack Buckets.	1080-21-0
Spacer for Rack Bucket, 2/pk. Fits Hybex and 24-Position racks.	1080-22-3
Spacer for Rack Bucket, 2/pk. Fits 12-Position racks.	1080-23-3
Digital Thermometer with NIST certificate.	1051-52-0
24 Slide Rack Kit. Includes 2x 24-position slide racks, centrifuge buckets, spacers and absorbent pads. Note: Requires standard baths for operation.	1080-25-0

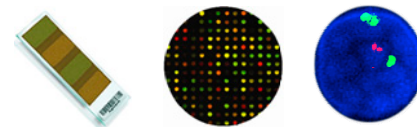
SPECIFICATION	DESCRIPTION
Baths and Racks Included	5x Bath, standard (670 ml) 2x Slide Rack, 12-Position for standard 3 inch slides.
Electrical	Cat # 1080-40-1: 115V AC, 50/60Hz, 1700 W Cat # 1080-40-2: 230V AC, 50/60 Hz, 1700 W
Dimensions (HxWxD)	20 x 28 x 22 inches (51x 71 x 56 cm)
Instrument Weight	47 lbs (21 kg) net

PERFORMANCE AND CONTROLS	DESCRIPTION
Temperature Range	Ambient +5° C to 90° C
Temperature Regulation	± 0.5° C from set point
Agitation Speed	0 to 600 relative units
Agitation Stroke Length	User selectable, standard (9.5 mm) or long (29.5 mm)
Centrifuge RPM / Force	690 RPM / 50 g
Protocol Storage	Up to 14 protocols, 1 to 9 steps each

RELATED PRODUCT	DESCRIPTION
ThermoPrep Workstation	Automates DNA normalization, labeling and array loading
Mai Tai Hybridization System	Hybridizes Agilent Arrays using 4-up Mai Tai Cassettes
NoZone WS Workspace	Maintains ozone <5ppb for Little Dipper or manual work
NoZone TL Workspace	Maintains ozone <5ppb for scanners or other equipment
Model 777 Microarray Oven	For processing Agilent or Affymetrix Arrays (up to 80 RPM)
Model 700 Microarray Oven	For processing Agilent Arrays (rotates up to 20 RPM)

PUB #	PUBLICATIONS	TYPE
S31	CMA Automation for Agilent Arrays	Snapshot
504	Little Dipper User Manual	Manual
103	Agilent aCGH, Gene Expression, ChIP-chip and miRNA Arrays	Method
149	Processing Agilent SureFISH Slides on the Little Dipper Processor	Method
A10	Automated Processing Agilent SureFISH Slides	App Note
113	Bath Temperature Validation Methods for CLIA-Regulated Labs	Support Doc
421	Little Dipper Periodic Cleaning and Maintenance	Support Doc

- Eliminates wash artifacts / reduces re-test costs
- Produces slides with high signals and low, uniform backgrounds
- Controls critical 72°C wash for FISH slides
- “Load and go” walk-away automation
- Use with NoZone Workspace for ozone protection
- Simple temperature validation for CLIA certification



Success Story



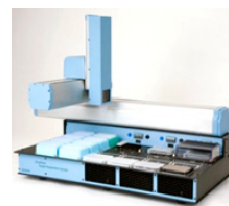
“We found that the **Little Dipper Processor** reduced variability between arrays and lowered our labor costs, which allowed us to discontinue all manual washing of microarrays.

Our technicians love the machine’s walk-away automation, which improves their ability to multi-task and be more efficient. In addition, and more importantly, the instrument eliminates variability between technicians that can result from differences in technique or experience.

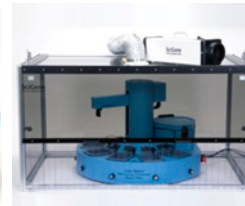
We also use the NoZone Workspace in conjunction with the Little Dipper which allows us to protect our arrays from the harmful effects of ozone.”

- **Christa Lese Martin, PhD**, Associate Professor and Operations Director, Emory Genetics Laboratory

Related Products



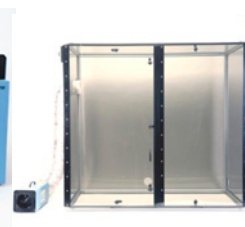
ThermoPrep® Workstation



Little Dipper inside NoZone® WS Workspace



Mai Tai® System



NoZone® TL Workspace

