



Little Dipper® Processor for Roche NimbleGen Arrays



Little Dipper Processor with accessories.

Automates post-hybridization processing of Roche NimbleGen microarrays. Controls wash time, agitation and drying using an integrated centrifuge. Batches of 1 to 24 slides are processed following a Roche NimbleGen optimized protocol. Use with all Roche specified applications including CGH/CNV, ChIP-chip, DNA methylation, gene expression and CGS. Ready for use with Agilent or Illumina microarrays or for pre- and post hybridization processing of FISH slides with additional accessories.

For Research Use Only

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



PRODUCT		CATALOG #
Little Dipper Processor for Roche NimbleGen Arrays, 115V.		1080-80-1
Little Dipper Processor for Roche NimbleGen Arrays, 230V.		1080-80-2
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, with handle.		1080-20-1
Slide Rack, 24-Position for standard 3 inch slides, with handle.		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—requires standard baths.		1080-25-0
Upgrade Kit for Illumina BeadChips.		1080-31-0
SPECIFICATION	DESCRIPTION	
Baths and Racks Included	5x Bath, Low Volume, Non Heatable (210 ml) 2x Slide Rack, 12-Position for standard 3” slides.	
Electrical	Cat # 1080-80-1: 115V AC, 50/60 Hz, 1700 W Cat # 1080-80-2: 230V AC, 50/60 Hz; 1700 W	
Dimensions (HxWxD)	20 x 28 x 22 inches (51 x 71 x 56 cm)	
Instrument Weight	47 lbs (21 kg) net	
Performance and Controls	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	
ArrayPrep System	Automated labeling & purification of DNA targets	
NoZone WS Workspace	Ozone control for Little Dipper Processor	
NoZone TL Workspace	Ozone control for Agilent Microarray Scanner	
NoZone GP Workspace	Ozone control for GenePix Scanner	
Hybex Microsample Incubation System	Microtube incubation system with heated lid	
PUB #	PUBLICATIONS	TYPE
504	Little Dipper User Manual	Manual
118	Post-Hyb Processing of Roche NimbleGen Arrays	Support Document
113	Bath Temperature Validation Methods ...	Support Document
421	Little Dipper Periodic Cleaning and Maintenance	Support Document

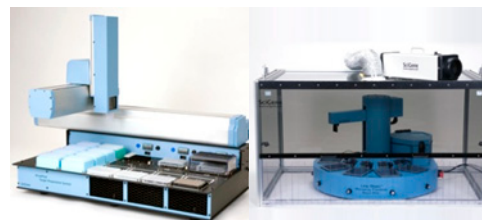
Success Story



“We bought our first **Little Dipper Processor** in 2005 to automate the laborious steps used for washing and drying our first generation BAC arrays. We acquired a second Little Dipper Processor and continued to use both after switching from BAC arrays to oligo arrays. In 2009, we began using the Roche NimbleGen microarray platform and again made the transition while still using the same Little Dipper Processors to wash and dry up to 100 slides per day. To date, we have processed thousands of patient samples on our Little Dipper Processors.”

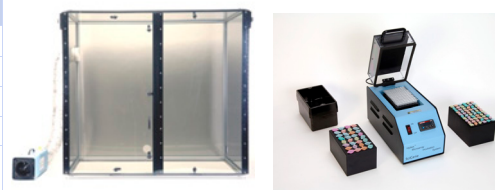
- Lisa Shaffer, Ph.D., FACMG, President
Signature Genomic Laboratories from PerkinElmer, Spokane, WA

Related Products



ArrayPrep® System

Little Dipper inside NoZone® Workspace



NoZone® TL Workspace

Hybex® Microsample Incubation System

