

Little Dipper® Processor for Illumina BeadChips



Little Dipper Processor with accessories.

Automates the staining and washing steps used with Illumina Infinium HD and Expression BeadChips. Controls wash time, agitation, buffer temperatures and drying using an integrated centrifuge. Batches of 1 to 12 slides are processed following Illumina recommended protocols. Use in all BeadChip applications including gene expression, SNP genotyping and CNV analysis. Ready for use with Agilent or Roche NimbleGen microarrays or for pre- and post hybridization processing of FISH slides with additional accessories.

For Research Use Only

- Produces slides with high signals and low, uniform backgrounds
- “Load and go” walk-away automation
- Automates the tedious Direct Gene Expression and DASL processing methods
- Simple temperature validation for CLIA certification



PRODUCT	CATALOG #
Little Dipper Processor for BeadChips, 115V.	1080-30-1
Little Dipper Processor for BeadChips, 230V.	1080-30-2
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
Absorbent Pads for 12-Position Rack Buckets.	1080-21-1
Spacer for Rack Bucket, 2/pk. Fits 12-Position racks.	1080-23-3
Digital Thermometer with NIST certificate.	1051-52-0
Upgrade Kit for Agilent Arrays. Includes 4x Standard Baths and 2x 12-Position Slide Racks for 3 inch slides.	1080-41-0

SPECIFICATION	DESCRIPTION
Baths and Racks Included	1x Bath, Standard (670 ml) 6x Bath, Low Volume, Non Heatable (210 ml) 2x Slide Rack, 12-Position for Illumina 3.25" slides.
Electrical	Cat # 1080-30-1 115V AC, 50/60 Hz, 1700 W Cat # 1080-30-2 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
Hybex Microsample Incubation System	Plate incubation system used in Illumina BeadChip protocols

PUB #	PUBLICATIONS	TYPE
504	Little Dipper User Manual	Manual
101	Processing Illumina BeadChips for Gene Expression	Method
113	Bath Temperature Validation Methods for CLIA-Regulated Laboratories	Support Document
421	Little Dipper Periodic Cleaning and Maintenance	Support Document

Success Story



“We have used the **Little Dipper** for several years and have found it to be extremely robust and reliable.

We have never encountered a problem in its operation despite being used several times each week by three different operators. Our technicians love the instrument since it frees them up to perform other lab tasks as the chips are being processed. Most importantly, we have found that automating BeadChip processing on the Little Dipper has enhanced our overall data quality and reliability.”

- **Jay Tiesman, Ph.D.**, Principal Scientist, Genomics Group Leader, Proctor and Gamble, Cincinnati, OH

Related Product



Hybex® System for Illumina