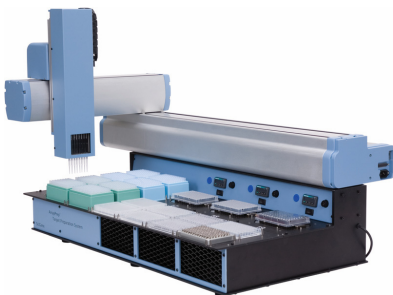


ArrayPrep® Target Preparation System



An open platform liquid handler with three built-in Peltier thermal cyclers for automating a wide variety of research and clinical laboratory workflows. The instrument's open software and deck designs work with nearly any type of sample plate or tube. A patented universal head* combines single and eight channel tip-based dispensing with a plate gripper that eliminates tool changes during operation.

Create, store and run protocols using a simple Visual Basic interface that provides complete control over all system parameters including deck layout, labware definitions, pipetting speed, sample mixing and air gaps. Provides precise low volume (to 1 µl) dispensing into either "wet" or dry plates. Programmable, integrated thermal cyclers keep reagents cold and perform sample incubation profiles or PCR temperature cycling. Used by leading cytogenetics labs for automating DNA workflows for Chromosome Microarray Analysis (CMA).

For Research Use Only

System Features

- Low volume liquid handler with 3 thermal cyclers
- Keeps reagents cold and performs thermal profiles/cycling
- High precision, low volume dispensing into "wet" or dry plates
- Single head performs 1 or 8 tip dispensing and plate movement
- Simple Visual Basic interface for protocol creation
- Open architecture; use with any standard labware

Automates CMA Workflows

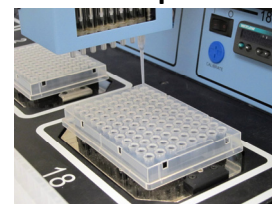
- Protocols for each step from DNA normalization to array loading
- Supports all popular chemistries (Agilent/OGT/Enzo) Choice of plate purification methods
- Automates DNA hyb set up; loads arrays onto Mai Tai Cassettes

PRODUCT	CATALOG #
ArrayPrep Target Preparation System , 115V.	2000-00-1
ArrayPrep Target Preparation System , 230V.	2000-00-2
LABWARE	CATALOG #
Tip, 250 µl, 96 tips/rack.	2000-80-0
Tip, 50 µl, 96 tips/rack.	2000-80-1
Filter Tip, 200 µl, 96 tips/rack, 50 racks/case.	2000-80-2
Filter Tip, 165 µl, 96 tips/rack, 50 racks/case.	2000-80-3
Filter Tip, 30 µl, 96 tips/rack, 50 racks/case.	2000-80-4
96 Well PCR Plate, skirted, 10/cs	2011-10-0
96 Well PCR Plate, skirted, 5x10/cs.	2011-11-0
96 Well PCR Plate, non-skirted, 10/cs.	2011-12-0
96 Well PCR Plate, non-skirted, 5x10/cs.	2011-13-0
PCR Plate Sealing Foil, 100/pk. Use below 80°C.	2011-20-0
PCR Plate Roller. For applying sealing foil (cat. #2011-20-0).	2011-21-0
8-Strip Flat Caps, 125 strips/pk.	2011-22-0
8-Strip 0.2ml PCR tubes, 125 strips/cs.	2011-30-0
0.2 ml PCR Tube, with attached flat cap, 2x500/cs.	2011-31-0

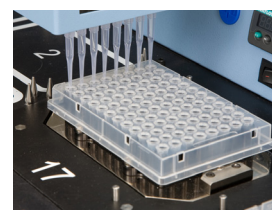
SPECIFICATION	DESCRIPTION
Equipment Included	ArrayPrep instrument with operating software and notebook computer.
Electrical	115V AC, 50/60Hz, 8A 230V AC, 50/60 Hz; 4A
Dimensions (HxWxD)	33 x 50 x 27 inches (84 x 127 x 69 cm)
Instrument Weight	173 lbs (79 kg) net
Deck Configuration	15x ambient positions for racks/plates 3x positions w/built-in Peltier thermal cyclers
Pipetting Head	8x positive displacement syringes with disposable tips and integrated plate gripper
Pipetting Range/Precision	1 to 250 µl; < 10% C.V.
Temperature Range/Regulation	4.0 to 99.0°C ± 0.2°C from set point
Heating/Cooling Rate	0.25 to 0.50°C per second

PUB #	PUBLICATIONS	TYPE
516	ArrayPrep Target Preparation System User Manual	Manual

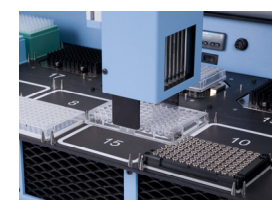
Flexible Operation



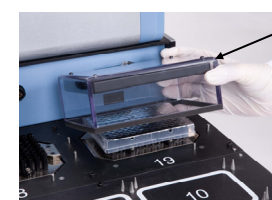
Single tip pipetting



8 tip pipetting



Integrated plate gripper



removable heated lid

Three programmable thermal cyclers

