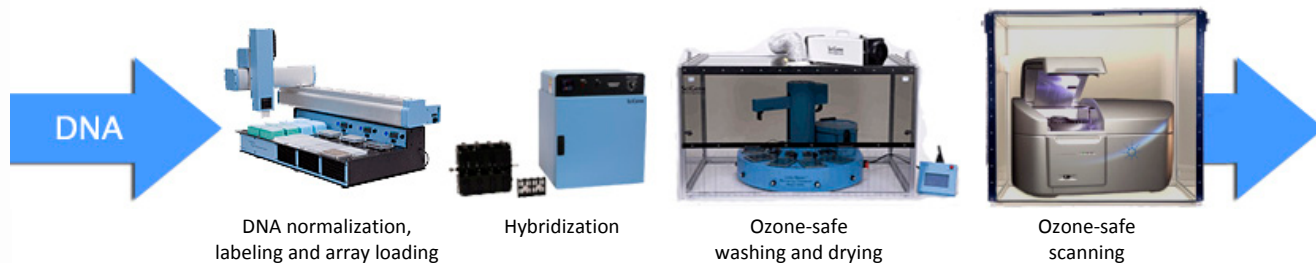




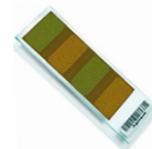
CMA Automation for Agilent Arrays



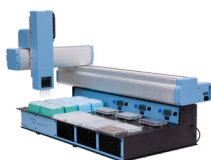
SciGene automates the manually intensive steps of the CMA workflow for Agilent Arrays with specialized instruments. Starting with genomic DNA, the ThermoPrep Workstation automates methods specified by Agilent for DNA labeling, purification and gasket slide loading onto Mai Tai Cassettes. After hybridization using the Mai Tai System, the Little Dipper automates washing and drying, producing high quality slides ready for scanning. Using SciGene automation, a single technician can process 8 to 96 samples at a time. Instruments may be purchased together to form a complete system or individually as needed.

SciGene CMA automation:

- Enhances test quality and reproducibility
- Reduces handling errors and sample mix-ups
- Lowers labor and reagent costs per test
- Easy to learn and simple to use
- Protects sensitive fluorescent dyes from ozone damage
- Simplifies CLIA documentation

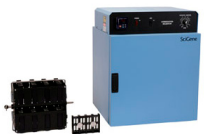


Specialized Instruments



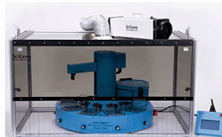
ThermoPrep® Workstation

Automates DNA normalization, labeling, and array loading of 8 to 96 samples. Cat. #2000-00-X



Mai Tai® Hybridization System

Complete hyb system using simple, two-piece cassettes that hold 1 to 4 slides. Rotator holds up to 8 cassettes (32 slides) for rotational mixing during incubation. Cat. #1075-00-5 (M777); 1075-00-7 (M700)



Little Dipper in NoZone® WS Workspace

Automates post-hyb processing of 1 to 24 slides in an ozone-safe (< 5 ppb) environment. Cat. #1080-40-X [LD] + 1090-13-3 [WS]



NoZone® TL Workspace

Bench top enclosure with high efficiency filtration that provides a clean, ozone-safe (<5 ppb), low light workspace for microarray work. For Agilent scanner. Cat. #1090-11-3



SciGene Wash Buffers for Agilent

Ready-to-use for washing aCGH and Chip-on-chip microarrays. Cat. #5188-5221 and 5188-52212

Success Story



"We began offering cytogenetic array testing in 2007 and as our sample volume increased, we looked for ways to automate our workflow.

In 2008, we acquired a Little Dipper Processor to automate our post-hybridization slide washing and drying process. We found that the Little Dipper reduced variability between arrays and lowered our labor costs, which allowed us to discontinue all manual washing.

Our technicians love the machine's walk-away automation, which improves their ability to multi-task and be more efficient...the instrument eliminates variability between technologists 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.

We normally limit technologists to processing 8 patient samples at a time to ensure test reliability. In 2010, as our sample volume continued to increase, we investigated additional ways to automate our array processing, opting for the ThermoPrep Workstation (formerly the ArrayPrep System) from SciGene. Now each technician can process up to 48 patient samples; dramatically increasing our sample processing capacity."

- **Christa Lese Martin, Ph.D.**, Associate Professor and Operations Director, Emory Genetics Laboratory

PUB #	PUBLICATIONS
S37	ThermoPrep Workstation
S18	Mai Tai Hybridization System
S12	Little Dipper Processor for Agilent Arrays
S25	NoZone WS Workspace
S24	NoZone TL Workspace
103	Agilent aCGH, Gene Expression, CHIP-chip & miRNA Arrays