

GeneChip® System 3000Dx

flexible



powerful



proven



■ Taking Molecular Diagnostics to New Heights.

The GeneChip® platform is a flexible analysis system that will allow your diagnostics laboratory to grow with the genomics revolution. This integrated platform performs both DNA and RNA analysis. Combined with innovative assays offered by our Powered by Affymetrix™ Partners, the GeneChip® System 3000Dx provides your diagnostic laboratory with a fully integrated system for all of your genetic analysis, personalized medicine, and pharmacogenomic needs.

Affymetrix is partnering with the world's leading diagnostic companies through the Powered by Affymetrix program to bring about new diagnostic tests that employ the latest genomic discoveries. These tests will deliver comprehensive information that fulfills unmet clinical needs and provides a high health economic value. The GeneChip system brings significant competitive advantage to today's state-of-the-art diagnostics laboratory.

With a decade-long investment in optimizing the GeneChip system to become the standard in microarray-based platforms for genomic analysis, only Affymetrix can provide the robust instrument manufacturing and microarray design, which enables the necessary reliability and quality demanded by diagnostic laboratories.

Access to genetic information is paving the way to routinely answering complex biological questions. Affymetrix is enabling the age of microarray-based tools and applications. Our proven technology platform and integrated system for DNA and RNA analysis brings personalized medicine to your diagnostics laboratory.



■ An Integrated System Solution.

The Affymetrix GeneChip® System 3000Dx is a complete solution for DNA and RNA analysis, consisting of the GeneChip® Scanner 3000Dx with AutoLoader Dx, Fluidics Station 450 Dx, and Workstation with the GeneChip® Operating Software Dx program. With this complete platform, you have everything you need for hybridization, washing, staining, and scanning of the microarray.

- Easy-to-use, integrated system for rapid adoption of both RNA and DNA applications
- Automated processing for increased data reproducibility and reduced hands-on time
- The most cost-effective approach for multiple applications through a single, flexible system
- Easy-to-follow workflow
- The platform runs all Powered by Affymetrix™ Partners' tests
- Fully integrated Powered by Affymetrix Partner analysis and reporting software for a seamless interface



■ The Standard in Quality and Experience.

By employing combinatorics and a proprietary, parallel photolithographic manufacturing process, the Powered by Affymetrix arrays are made under strict process controls to result in a flexible array format with unsurpassed quality, reproducibility, and consistency.

The surface of each Powered by Affymetrix microarray is made up of numerous features which consist of specific genetic probes that are duplicated thousands of times. Probes are designed in sets to provide multiple, independent measurements for each transcript and SNP. The result is increased data reliability and an optimal balance between sensitivity and specificity.

The Affymetrix diagnostic products are manufactured under Good Manufacturing Practices (GMP) and facilities are certified to ISO 13485:2003, ensuring a high level of quality. All manufacturing processes are performed under the strictest conditions with multiple in-process quality checks, which provides the robustness and reproducibility essential for a diagnostic test.

Ultimately, Powered by Affymetrix assays will allow you to delve into the age of personalized medicine with confidence, providing rigorous genetic assays to lead The Way Ahead™.

System Dimensions

GeneChip® Scanner 3000Dx with AutoLoader

Weight: ~100 lbs. (45.4 kg)

Dimensions: 13" W x 22" D x 18" H (33 cm x 56 cm x 46 cm)

Loading Clearance: Additional 18" (46 cm) in height clearance required for AutoLoader. 36" (91.4 cm) above laboratory bench

Power: Voltage: 100-240 V; Current: 4-2 A; Frequency: 50-60 Hz

GeneChip® Fluidics Station 450Dx

Weight: ~80 lbs. (36.3 kg)

Dimensions: 28" W x 16 1/8" D x 15 13/16" H (71.1 cm x 41 cm x 40.2 cm)

Loading Clearance: Additional 4" (10.2 cm) to the depth at the back for ventilation

Power: Voltage: 100-240 VAC; Current: 3 A; 300 Watts

Workstation with GeneChip® Operating Software Dx

Weight: Computer Monitor – 26 lbs (11.8 kg)
Computer Tower – 30 lbs (13.6 kg)

Dimensions: Computer Monitor – 20 1/4" W x 11" D x 21" H (52 cm x 28 cm x 54 cm)
Computer Tower – 7 1/4" W x 18" D x 17" H (19 cm x 46 cm x 44 cm)

Power: Voltage: 100-240 VAC





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