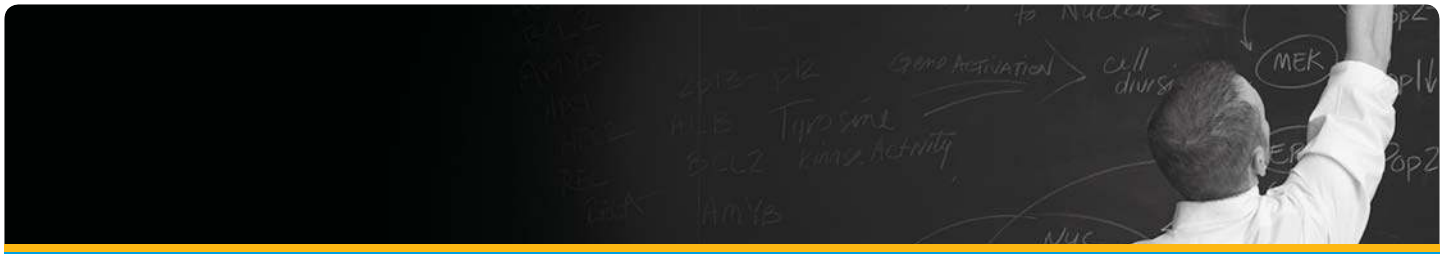

Agilent High-Resolution Microarray Scanner

For high-throughput, high-resolution microarray data

Key Features

- High-resolution scanning with pixel sizes of 2,3, 5 and 10 microns
- Low-level detection resulting from optimized precision optics
- Hands-off automated feature extraction image analysis of Agilent microarrays
- Fully integrated with Agilent's microarray applications

Agilent's DNA Microarray Scanner with SureScan High-Resolution technology is the key component of microarray-based applications in which increased coverage of the genome is a necessity. Whether performing gene expression studies, array CGH, miRNA profiling, or other novel applications, scanning technology is responsible for providing the highest quality data.

Our scanner provides an expanded dynamic range of 6 orders of magnitude and a unique autofocus feature that coordinates continual focus across the array, adjusting for any potential glass aberrations or curvatures. The system is fully integrated and all components are guaranteed for enhanced functionality when used with Agilent's microarrays, which helps ensure the highest levels of sensitivity and data quality.

- High-resolution imaging enables users to scan a range of array types from high density commercial arrays to low-density home-brew arrays
- High sensitivity increases quality of microarray output, ensuring confidence in your results
- Uniform images and enhanced sensitivity with dynamic autofocus to keep features in focus while scanning to minimize the effects of gradients and aberrations associated with glass slide for reproducible results
- Fast 5 micron scans in about 8 minutes by simultaneous two-color scanning, or under 20 minutes for 2 and 3 micron scans for speedy results.

High-Resolution Microarray Scanner	Part Number
Agilent High-Resolution Microarray Scanner Bundle	G2565CA
Scanner Upgrade: G2565BA to G2565CA	G2539A

Specifications

Feature	Description
Dynamic Range	104 (16-bit data format), 105 (20-bit data format),106 (with XDR scanning)
Dynamic Auto-Focus	Continually adjusts scanner's focus, keeping features in focus at all times
Autoloader	48-slide carousel allows for hands-off operation
Integrated Barcode Reader	Reads code 128 (A,B,C), Code 39, Code 93, and CODABAR
Compatible Dyes	Cyanine 3 and Cyanine 5, and Alexa 647, 555, and 660
Laser Information	SHG-YAG laser, 532nm; Helium-Neon laser, 633nm Power: 20 mW at 532 nm and 23 mW at 633 nm both controlled to 13 mW
Scan Window Maximum	21.6 mm x 71 mm
PMT Adjustment	Allows adjustment of signal levels from 100% (default) to 1%
Detection Limit	0.05 chromophores per square micron
Pixel Placement Error	1 pixel @ 5 micron resolution
Uniformity	5% CV global non-uniformity; average local non-uniformity is typically 1% based on 100 micron features
Scan time	2-color simultaneous data acquisition in 15 minutes per for 3 micron scans and 20 minutes for 2 micron scans (scan region of 61 mm x 21.6 mm)
Data Workstation and Operating System	PC-based with Windows® 7 – 64 bit Data Analysis Software - 2 perpetual licenses of Agilent Feature Extraction included
Approximate Scanner Dimensions	Height: 21.5" (55 cm), Width: 35.5" (90 cm), Depth: 25" (63.5cm)
Weight	Scanner: 218 lbs (98 kg), PC and LCD monitor: 56 lbs (25.5 kg)
Power Input	100/120/220/240/VAC; 50/60 Hz; 2 Amps
Operating Temperature Range	15°C to 30°C
Laser Product Classification	Class 1

For Research Use Only.
Not for use in diagnostic procedures.

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