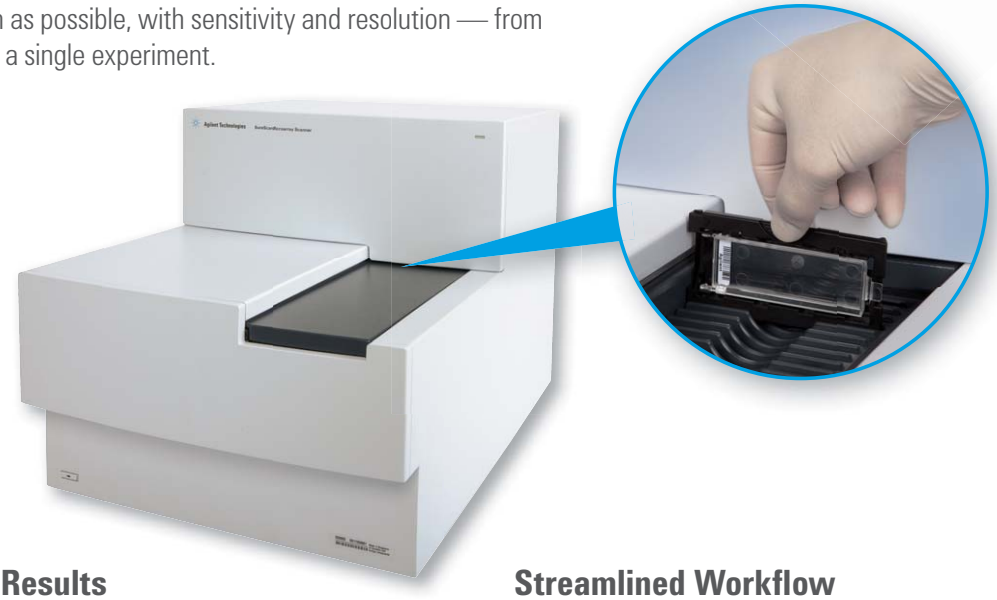
Agilent SureScan Microarray Scanner

Agilent's new compact system for sensitive and accurate microarray applications

The new Agilent SureScan Microarray Scanner is the foundation of our complete microarray solution and represents the latest innovation in scanner technology.

Industry-leading limits of detection provide the ability to obtain as much biological information as possible, with sensitivity and resolution — from a single data point or a single experiment.



Confidence in Results

- Industry-leading limit of detection allows accurate measurement of very low signals
- Precision-engineered optics enable optimal feature resolution
- Built-in ozone protection minimizes signal degradation

Streamlined Workflow

- Continuous slide loading capability to remove batch-loading restrictions
- Integration with Feature Extraction software for automated image transfer
- Compact footprint optimizes bench space utilization

Get the highest level of confidence in your results today.

www.agilent.com/genomics/surescan

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Ordering Information

Product	Part Number
SureScan Microarray Scanner Bundle	G4900DA

Specifications

Feature	Description
Dynamic Range	$>10^4$ (16-bit data format), $>10^5$ (20-bit data format), 10^6 (with XDR scanning)
Resolution	2, 3, 5 and 10 microns
Dynamic Auto-Focus	Continually adjusts scanner's focus, keeping in focus at all times
Autoloader	24-slide cassette allows for hands-off operation
Integrated Barcode Reader	Reads code 128, Code 39, Code 93, and CODABAR
Compatible Dyes	Cyanine 3 and Cyanine 5, and Alexa 647, 555, and 660
Laser Information	Green solid-state laser, 532 nm; Red solid-state laser laser, 640 nm Power: 20 mW at 532 nm and 633 nm both controlled to 13 mW
Scan Window Maximum	71 mm x 21.6 mm
PMT Adjustment	Automatic PMT gain calibration before each run Allows adjustment of signal levels from 100% (default) to 1%
Detection Limit	0.01 chromophores per square micron
Pixel Placement Error	<1 pixel at 5-micron resolution
Uniformity	5% CV global nonuniformity, average local nonuniformity is typically 1% based upon 100-micron features
Scan Time	2-color simultaneous data acquisition in 16 minutes per for 3-micron scans and 24 minutes for 2-micron scans (scan region of 61 mm x 21.6 mm)
Data Workstation and Operation System	PC based with Windows® 7 – 64 bit Data Analysis software – 2 perpetual licenses of Agilent Feature Extraction included
Approximate Scanner Dimensions	Height: 16.5" (42 cm), Width: 17" (43 cm); Depth: 26" (67 cm)
Weight	Scanner: 125 lbs (56.8 kg)
Power Input	100 – 240 Vac, 50 – 60 Hz, 250 VA max.
Fuses	Two power supply fuses: T4A, 250 VAC
Humidity	Operating: 15% to 95% RH at 30°C
Altitude	Operating maximum: 2,300 m (7,500 ft)
Operating Temperature Range	15° to 30°C
Laser Product Classification	Class 1

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