



# 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](http://www.agilent.com/genomics/surescan)

The Measure of Confidence



**Agilent Technologies**

## Ordering Information

Product	Part Number
SureScan Microarray Scanner Bundle	G4900DA

## Specifications

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

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

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