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DNA Microarray Scanner G2565BA

Table contains all key specifications for the DNA Microarray Scanner, Model BA. Features special to this model are highlighted (yellow).

Product*	
DNA Microarray Scanner, Model G2565BA	
Special Features:	
Dynamic AutoFocus	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.
Other Features:	
Compatible Dyes	Cyanine 3 and Cyanine 5, and Alexa 647, 555, and 660
Laser Information	1 - SHG-YAG laser, 532nm 1 - Helium-Neon laser, 633nm Power: 23/20 mW at laser (nominal); 20 mW at 532 nm and 23 mW at 633 nm
Scan Window Maximum	21.6mm x 71mm
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 @ 10 micron resolution
Uniformity	5% CV global non-uniformity; average local non-uniformity is typically 1% based on 100 micron features
Glass Dimensions Supported	1" x 3" (25mm x 75mm) glass slide Width: 24.95mm to 26.1mm Length: 74.8mm to 76.45mm Thickness: 0.9mm to 1.2mm

Scan time	For 2-color simultaneous data acquisition about 8 minutes per slide at 5 or 10 micron resolution (scan region of 60mm x 21.6mm)
Dynamic Range	10 ⁴ (16-bit data format) >10 ⁵ with extended dynamic range
Resolution (Pixel Size)	5 or 10 microns
Data Workstation and Operating System	PC-based with Windows® XP Data Analysis Software - 2 perpetual licenses of Agilent Feature Extraction included
Approximate Scanner Dimensions	Height: 21.5" (55 cm) ¹ Width: 35.5" (90 cm) ² Depth: 25" (63.5cm) ³ 1. Up to 38" (97 cm) with autoloader door open. 2. Up to 45" (114 cm) required during service when electronics compartment is accessed. 3. Allow an additional 3" (8 cm) clearance behind the instrument to provide adequate ventilation.
Weight	Scanner: 218 lbs (98 kg) PC and LCD monitor: 56 lbs (25.5 kg)
Power Input	100, 120, 220, or 240 VAC ±10% at 4A, 50/60Hz ± 5%
Operating Temperature Range	15°C to 30°C
Glass Slides	
Slide Dimensions	Width: 1" (24.95mm to 26.1mm) Length: 3" (74.8mm to 76.45mm) Thickness: 0.9mm to 1.2mm
Slide Characteristics	No mirrored slides allowed Glass should be of high quality with low intrinsic fluorescence Index of refraction between 1.510 and 1.515
Slide Holder (Version B) Dimensions	1mm thick (+0.2mm or -0.1mm)
Barcode	
Permitted Codes	Codes 39, Code 93, Code 128 (A,B,C), and CODABAR. The minimum bar widths must be 6 mils or greater and the maximum number of digits for codes 39, 93, and CODABAR is 8, and the maximum number of digits if Code 128 is used is 12.
Bar Code Placement	From mid-2002, Agilent barcodes are positioned one on each side

	of the slide. Prior to this, Agilent slide had a single barcode on the side opposite of the microarray.
	Barcode placement tolerance is 1.0mm.

** Descriptions and specifications subject to change without notification.*



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