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Laser Scanners for Glass Slide Arrays

Specifications

Standard Glass Slide:	1" x 3" (25 mm x 75 mm) microscope slides
Thickness	1 mm
Light and Detector Orientation:	Facing array
Scanned Area	22 mm x 73 mm
Focus	Auto focus or adjustable (+/- 200 μ m)
Excitation	Cy3 (Green) Channel 532 nm
Resolution	$\leq 20 \mu$ m ($\leq 10 \mu$ m for Quantibody)
Dynamic Range	>3 orders of magnitude
Detection Output	16-bit TIFF

Recommended Scanners

- InnoScan 710 Microarray Scanner (Innopsys)*
- InnoScan 900 Microarray Scanner (Innopsys)*
- GenePix® 4000A (Molecular Devices)
- GenePix® 4000B (Molecular Devices)
- GenePix® 4100A (Molecular Devices)
- GenePix® Professional 4200A (Molecular Devices)
- ScanArray® Lite (PerkinElmer, Inc.)
- ScanArray® Express (PerkinElmer)
- ScanArray® Express HT (PerkinElmer)
- ScanArray® 4000 (PerkinElmer)
- ScanArray® 4000XL (PerkinElmer)
- ScanArray® 5000 (PerkinElmer)
- ScanArray® 5000XL (PerkinElmer)
- LS Series Laser Scanner (Tecan Group AG)
- AlphaScan Microarray Scanner (Alpha Innotech)
- The DNAscope LM (Biomedical Photometrics)
- The DNAscope IV & V (Biomedical Photometrics)
- Open Frame DNAscope (Biomedical Photometrics)
- Revolution 4200 Microarray Scanner (VIDAR)
- aQuire 110V (Genetix)
- aQuire 240V (Genetix)
- VersArray ChipReader 5 μ m System (Bio-Rad)
- VersArray ChipReader 3 μ m System (Bio-Rad)

Compatible Scanners

- NovaRay Detection Platform (Alpha Innotech)
- arrayWoRx (Applied Precision)
- GSD-501 System Calibration Kit (Invitrogen)
- DNA Microarray Scanner (Agilent Technologies**)
- Odyssey Imaging System (LiCor***)

*RayBiotech preferred scanner

**Scanned images may not be compatible with Agilent feature extraction software.

***Not compatible with Quantibody and special conditions apply for G-Series and C-Series. Please contact info@raybiotech.com for adjusted protocol.

Please note that this is not an exhaustive list. In general, most gene microarray scanners will be compatible as long as they have a Cy3 (green) channel, pixel resolution of $\leq 20 \mu$ m ($\leq 10 \mu$ m for Quantibody), and able to scan a standard histology slide.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**