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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 µm)
Excitation:	Cy3 (Green) Channel 532 nm
Resolution:	≤20 µm (≤10 µm for Quantibody)
Dynamic Range:	>3 orders of magnitude
Detection Output:	16-bit TIFF

Recommended Scanners

- InnoScan 300 Microarray Scanner (Innopsys)*
- InnoScan 700/710 Microarray Scanner (Innopsys)*
- InnoScan 900 Microarray Scanner (Innopsys)*
- InnoScan 1100 Microarray Scanner (Innopsys)*
- GenePix® 4000A (Molecular Devices)
- GenePix® 4000B (Molecular Devices)
- GenePix® 4100A (Molecular Devices)
- GenePix® Professional 4200A (Molecular Devices)
- GenePix® 4300 (Molecular Devices)
- GenePix® 4400 (Molecular Devices)
- ProScanArray® HT (PerkinElmer, Inc.)
- Scan RI Microarray Scanner (PerkinElmer, Inc.)
- 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)
- PowerScanner™ (Tecan Group AG)
- SensoSpot Fluorescence Microarray Analyzer (Sensovation)
- 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 5um System (Bio-Rad)
- VersArray ChipReader 3um System (Bio-Rad)
- Luxscan HT24 (CapitalBio)
- 10K Microarray scanner (CapitalBio)
- SureScan Microarray Scanner (Agilent)
- SureScan Dx Microarray Scanner (Agilent)
- High-Resolution Microarray Scanner (Agilent)
- Typhoon 9500 (GE Healthcare)
- Typhoon 9410 (GE Healthcare)
- Typhoon 9210 (GE Healthcare)
- Typhoon 8610 (GE Healthcare)
- Typhoon Trio (GE Healthcare)
- ArrayPix Fluorescence (ArrayIt)
- SpotLight Fluorescence (ArrayIt)
- NimbleGen MS 200 (Roche)
- Vidia™ Microarray Imagine System (InDevr)

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. Contact us for more details: info@raybiotech.com*
****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 ≤20µm (≤10µm for Quantibody), and able to scan a standard histology slide.