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 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 5um System (Bio-Rad)
- VersArray ChipReader 3um 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 ≤20μm (≤10μm 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.