



scanners for use with protein function arrays

> *A microarray scanner can be used to record the fluorescent signal from protein arrays after assay. Sense Proteomic's protein function arrays are compatible with most conventional microarray scanners.*

scanner requirements

The scanner used to capture data from Sense Proteomic protein function arrays must be compatible with the excitation and emission wavelengths of the fluorochrome label used in the assay. The following basic features provide a guideline to which scanners are compatible:

- must be able to excite and detect CyTM3 and Cy5 (or other fluorochromes of choice)
- must be able to scan 75 x 25 mm (3 x 1 inch) planar glass slides
- must be able to scan at 10 µm resolution
- must be able to scan an area of at least 60 x 20 mm
- output must be 16 bit grayscale tiff image
- autoloader not essential but recommended

recommended scanners

The following scanners have been tested with Sense Proteomic protein function arrays and are recommended for use.

Molecular Devices®	GenePix ^R 4000B, GenePix 4000A, GenePix 4200A, GenePix 4200AL
PerkinElmer™	ScanArray ^R 4000, ScanArray 5000, ScanArray ExpressHT
Tecan	LS series scanners
Agilent	DNA microarray scanner
GE Healthcare	Typhoon 9410

Other scanners may be compatible with Sense Proteomic protein arrays, but have not been tested. If you have another scanner and need advice on its compatibility please contact your local sales representative and provide details of the scanner make and model.





Note: this document is intended as a guide only. Please check with the scanner manufacturer that any scanner considered for use is compatible with the protein function array intended application as Sense Proteomic cannot be held responsible for any incorrect scanner purchases.

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application note |

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