

Microarray Image Software

Mapix Data acquisition and analysis of microarray images

Scanner Managment

Compatible with a broad range of microarrays. Optimized performance for all image size. Highly interactive commands. Image viualisation in real-time. Customizable interface.



Image Analysis

Full correlation between displayed data, pictures and plots. Powerful spot segmentation. Precise control of acquired images. Lowess smoothing and global data

normalization algorithms.





Automation

Efficient and flexible gridding compatible with most slide format.

Automatic flagging tools for quality control. Batch processing up to 24 slides allows highthroughput applications.



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LifeSciences

Manual

User ajusts parameters as laser power, intensity and detection gain for each wavelength. Maximum adaptability.

Automatic

User sets up specific target criteria such as signal level or saturation. Scan is automatically performed to meet the criteria set. Optimal results are guickly and

easily obtained.

XDR

Extended Dynamic Range makes 20-bit images with a dynamic range of 6 logs.

Avoid saturation while keeping weak signals.

Recommended for heterogeneus signals samples.



Focus Mode

Fixed focus

Fixed focus position all along the scan.

User sets focus position according to the sample.

Useful for uneven supports such as microfluidic devices, electronic chips.





Real-time autofocus

Based on support reflectivity. Specific slide configurations available.

Follow the slide deformation and movement all along the scan.

Focus is done on the slide surface independently of the sample content .

Useful to scan flat slide for which fluorescence signals are on the slide surface.



Research use only For informations concerning compatibility and minimal requirements, please contact us. June 2020, PMapix. Specifications subject to change without notice, contact us for the most recent specifications



Content-based focus

Based on slide content and Regions Of Interest (ROI). Focus position is determined on one fluorescent wavelength. Recommended for unconventional slides and non homogeneous sample such as CMA, TMA, Coverslip, Agarose gels...



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