



MicroVigene™ for FAST Quant® Analysis Software

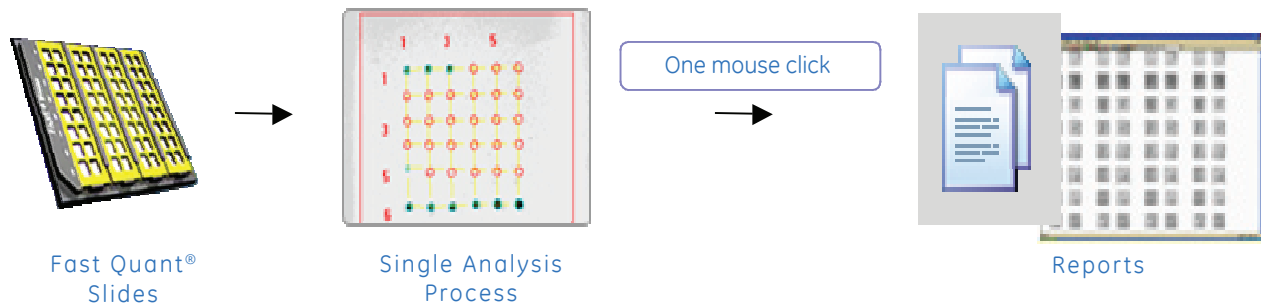


Figure 1. FAST Quant Analysis Software gives a fully automated analysis that is accurate and reproducible.

The MicroVigene™ automated software tool is a reliable solution for analyzing the fluorescent signal of the Whatman Fast Quant® Kits. Whatman FAST Quant is an outstanding protein array analysis tool for measuring concentrations of multiple cytokines simultaneously in each sample. After fluorescent scanning of the FAST Quant slides, MicroVigene rapidly locates the spots and then quantitates the fluorescent signal and performs the necessary calculations to determine the concentration values of the analytes.

Designed by VigeneTech, MicroVigene streamlines the analysis of microarrays and increases productivity in several ways:

- Completely integrated image and data analysis
- Automatic spot detection, grid placement and intensity quantification. Spot qualities analyzed include shape, size, edge and noise level.
- Intensity quantification as mean, median or volume
- Multi-level quality controls with negative and positive control normalizations
- Averaging of replicates
- Ability to support multiple slides
- Automatic dust removal with back fill
- Regional background subtraction for highest sensitivity

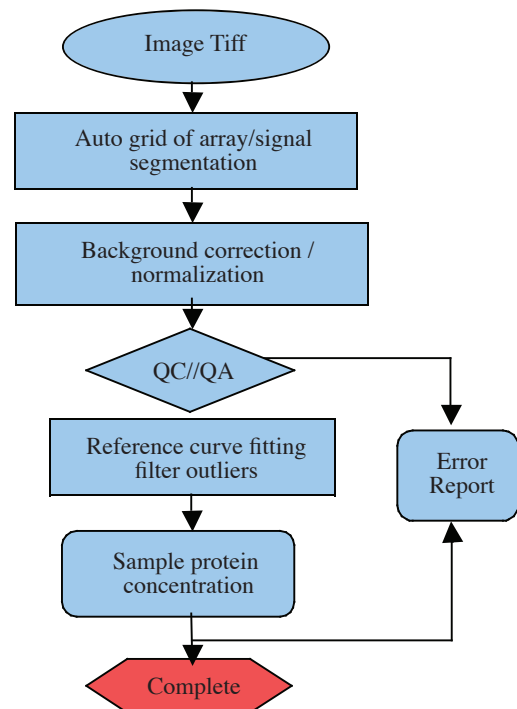


Figure 2. Workflow overview of the automated process for complete image and data analysis of FAST Quant slides.

Quality

MicroVigene for FAST Quant is equipped with superior microarray image analysis technology from VigenTech. It automatically detects spots with actual signal boundaries and accurately measures the signal and background to achieve high quality data. It is robust to shifted, weak images and other challenges that can occur in microarray analysis. MicroVigene is designed to ensure data quality to support both high-throughput and clinical research applications.

A simple platemap editor facilitates input of identity and concentration of standards and ID of samples.

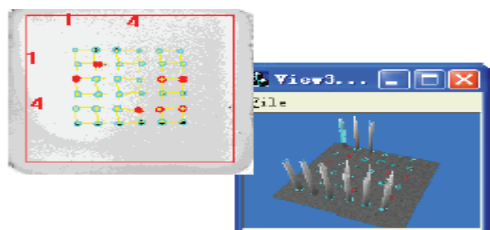


Figure 3. Software identifies and quantitates spot signals with sensitivity and accuracy at each location.

Curve Fitting

Analyte concentrations determined by the software are ensured by novel VigenTech curve fitting technology with weighted non-linear regression and multiple curve fitting models for the best CV. The process is robust to real-sample slides and can automatically filter out bad spots. Curve fitting selection can be configured for each analyte.

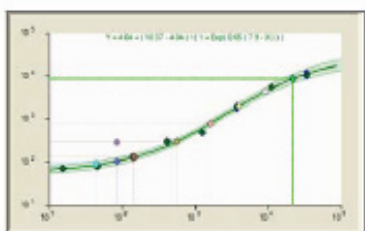


Figure 4. Powerful curve fitting.

Ordering Information Fast Quant® Analysis Software

Catalog Number	Description
10486245	MicroVigene™ for FAST QUANT® 4 Week Trial
10486246	MicroVigene™ for FAST QUANT® Whatman Preconfigured Version
10486247	MicroVigene™ for FAST QUANT® Research Version



GE imagination at work

Display

The integrated information display is a key feature for ease of use. The original image, spot 3D signal profile, curve fitting and final results can all be displayed on the same screen, making it easy to confirm results or quickly optimize individual analytes.

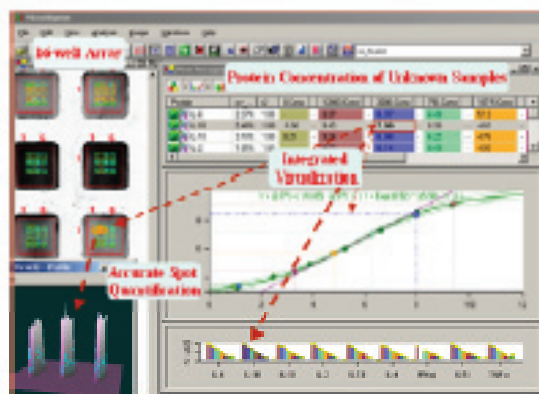


Figure 5. Integrated information display.

Templates can be easily set up for generation of standard or custom reports. Both summary reports and detailed reports can be generated for each analyte if desired.



Figure 6. Flexible report generation.

For further information please visit:
www.whatman.com/FASTQuantAnalysis.aspx

Whatman is a leader in separations technologies for basic and biomedical research. Whatman offers products for the collection and capture of nucleic acids for a wide variety of molecular testing in the fields of forensics, biomedical, agricultural and basic research. For more information, visit the company's website at <http://www.whatman.com>.

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