

Macro and Micro-Array

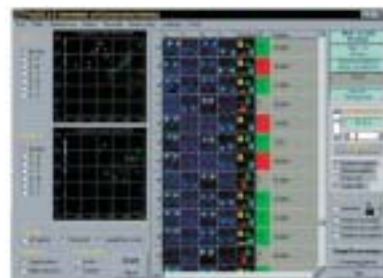
GENORAMA® Genotyping software

- ◆ Different color scales (grayscale and a number of pseudocolor palettes)
- ◆ Assisted grid setup, automatic alignment according to the signals on microarray images
- ◆ Automatic spot identification, adaptive quantification and artifact filtering

Genorama® Genotyping Software is designed for analysis of microarray-based resequencing or genotyping images.

The software can handle images from any 4-color microarray imaging system (e.a. Packard, Genorama® Quattrolmager™) and enables a kilobase readout simultaneously from both DNA strands or analyses up to thousands of mutations (SNP markers) in a single window.

The images can be analyzed by sample (one set of four images corresponding to the sample) or by SNP-s / mutations (one particular position from each set of images through all the samples to be analyzed).



Technical tip

FEATURES FOR ANALYSIS BY SINGLE SAMPLES

Signal intensities of four images are compared and automatically translated into the presence of a nucleotide(s) on the image and analyzed sample.

- ◆ Automatic base calling
- ◆ Histograms of relative signal intensities in different imaging channels
- ◆ Comparisons with wild type or reference sample
- ◆ Highlighting dubious positions
- ◆ Different normalization methods of signal intensities between A, C, G and T channels
- ◆ Various formats for saving the results

FEATURES FOR ANALYSIS BY SNP-S / MUTATIONS

Real time comparison of all the array positions at all samples to be analyzed in visual as well as different quantitative formats.

- ◆ Image database function and comparison of multiple images
- ◆ Absolute and relative color scales of images, grayscale and pseudocolor visualization
- ◆ Image filter
- ◆ Elimination of single bright pixels
- ◆ Genotyping by groups

Related product :

D.132

Description	Cat.#	Qty
UptiTherm EC DNA Polymerase	UPS54160	100 units

interchim