

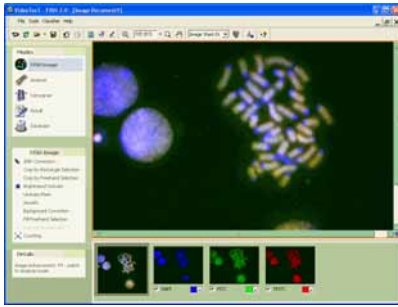


VideoTest-FISH 2.0

Image Analysis Software

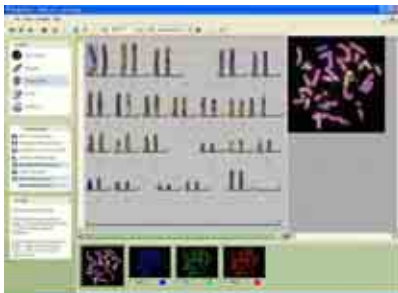
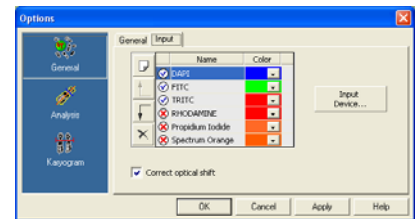
VideoTest-FISH 2.0 software is designed for automation of the FISH (Fluorescence In Situ Hybridization) analysis.

VideoTest-FISH 2.0 main functions:



- Clearly organized user-friendly interface: all the commands are grouped according to the usual steps of image analysis.
- B/w image acquisition with digital or analog cameras (including 10, 12, 16 bit) supporting TWAIN protocol. Opening from files, pasting from Windows Clipboard.
- Color coding of source grayscale images with ability to select colors from palette. Up to 20 color channels can be used.
- Automatic combination of color coded images to obtain the composed image.

- Correction of optical shift.
- View composed image or individual channels. Select channels to be combined by clicking their thumbnails in the navigation bar.
- Signal enhancement for individual channels (Brightness/Contrast, Unsharp Mask, Smooth).
- Background correction, background removal for highlighting the weak signals.



Special features for working with chromosomes:

- Interactive detection of chromosomes on metaphase plate, automatic separation of overlapping chromosomes.
- Automatic karyotyping of human chromosomes with ability to train classifier.
- Convenient manual karyotyping of animal and plant chromosomes.
- Built-in reference databases of human ideograms (animals, plants on demand).

- Image annotation.
- Manual measurements (straight line length, freehand line length).
- Interactive report generator for creating multipage reports containing images, karyograms and results of analysis.
- Built-in image database with powerful filtering abilities to store image stacks as well as detected chromosomes, karyograms, text data.
- Ability to save image stack together with all the analysis results to one file.



VideoTest-FISH 2.0 is powerful and flexible workstation for researchers and medical laboratories.



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