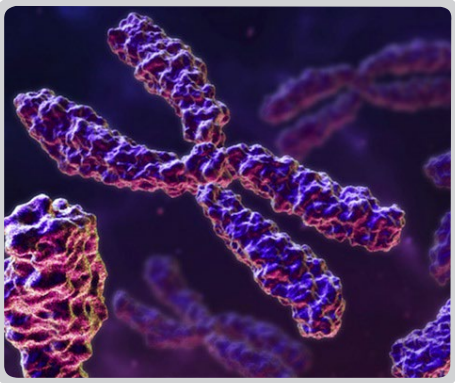


METACLASS

KARYOTYPING·FISH

MICROPTIC

AUTOMATIC DIAGNOSTIC SYSTEMS

METACLASS

MetaClass Karyotyping is a completely automatic system which enables the user to obtain the karyotype, with a good morphology and quality in the chromosome bands, by capturing metaphases.

Metaclass FISH: A FISH module can be incorporated as an optional extra, a tool for detecting or confirming genetic or chromosomal abnormalities using fluorescent, dyed DNA probes.

The **MetaClass** application has been designed for users with no previous experience on using computer packages and systems, and its functions can be learned with only a couple of examples.

Karyotyping report.

KARYOTYPING

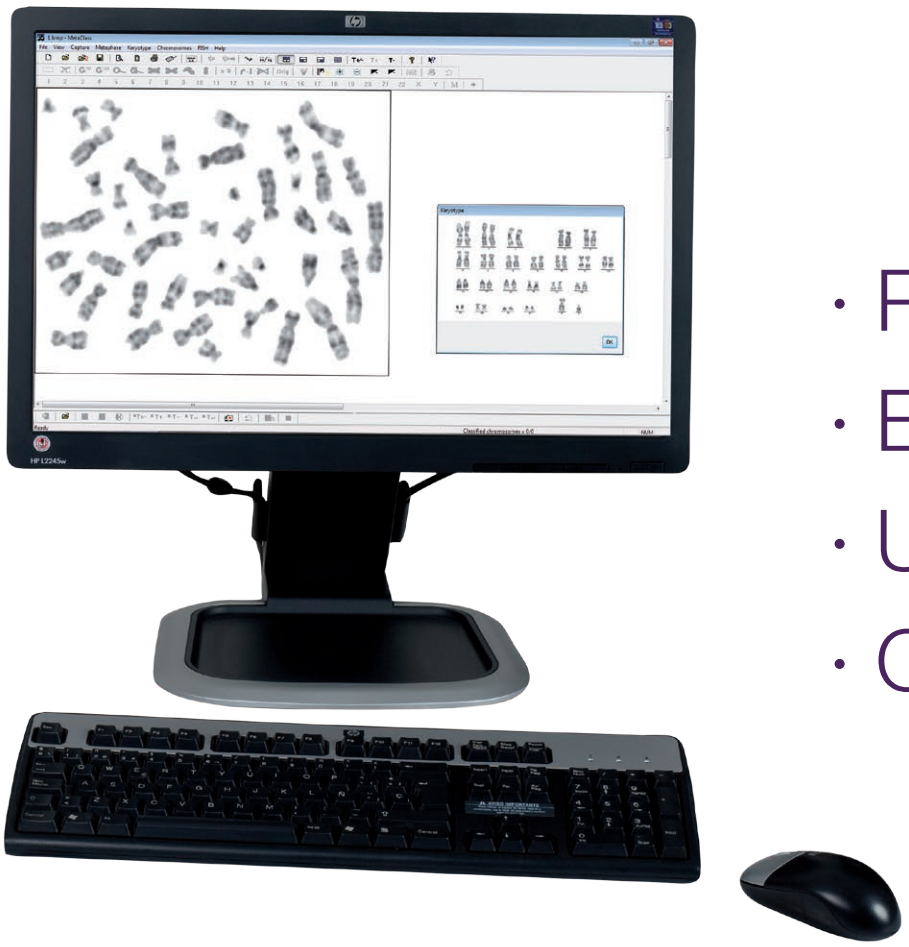
Simple but powerful user interface: The application's graphic interface displays all the available options on one single screen, which simplifies use. At the same time, the user can see the results obtained at any given moment, which reduces the task of classification and reports.

Automatic classification: Having obtained the metaphase, chromosomes are automatically detected and classified with high success rate.

Powerful tools: In order to process difficult cases where there are crosses and/or contact between chromosomes, there is a set of graphic support tools for separations from criteria based on professional experience.

Several images: The application is set up to acquire a metaphase using several images if necessary, deleting any duplicated chromosomes.

Chromosome details: Allows to mark bands and add comments to the individual chromosomes to highlight relevant information.

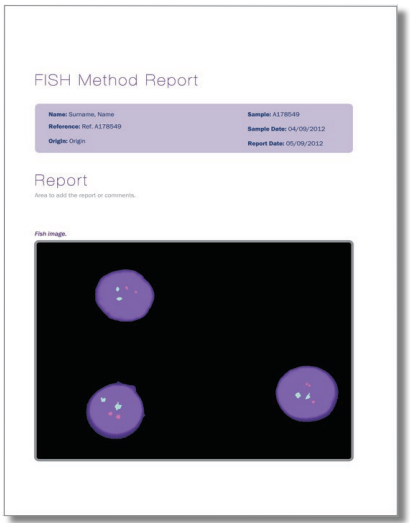


- Precise
- Efficient
- User-friendly
- Cost-effective

FISH

A **FISH** module can be incorporated or used independently. It can acquire fluorescence images up to 6 different fluorescence filters. For the image processing MetaClass FISH contains all needed tools to include text, or symbols.

The **FISH** image is created by integrating the individual fluorescence images.



Fish report.

DATABASE

Includes the optional use of an integrated database facility for easy access to results and reports stored for an individual patient or sample.

Automatic reports: The system allows technical reports with images to be produced automatically. Customised reports can be created in a specified language.

MINIMUM REQUIREMENTS

METACLASS	KARYOTYPING	FISH
COMPUTER	Desktop or laptop Computer | Operating System: Windows 7, Windows 8 or Windows 10 (32 or 64 bits) | Processor: Intel Core Duo or higher | RAM: 1GB or higher | Graphic card: 128MB settled at 1024x768 | Free space in the hard disk: 1GB | DVD-ROM | Free USB 3.0 or PCI-Express ports	
CAMERA	Basler Ace acA1600-20UM	
CAMERA PROPERTIES	Digital USB 3.0, high sensitivity	
MICROSCOPE	Nikon, Olympus, Zeiss or Leica | Trinocular C-mount without intermediate lens	
OBJECTIVE	100x (oil immersion)	
OBSERVATION METHOD	Brightfield	Fluorescence
FILTER	Green filter	Different fluorescence filters

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