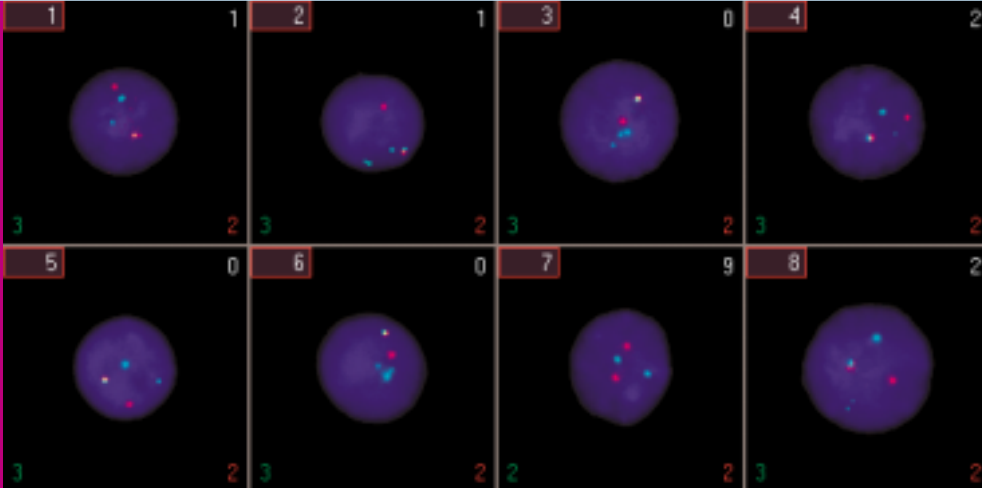


# Metafer



## MetaCyte

Automatic  
Interphase FISH  
Analysis

Automatic Spot Counting  
and Spot Fusion Detection

Precise Quantitation  
at High Scanning Speed

Simultaneous Analysis  
of up to 6 Fluorochromes

High Quality Cell Gallery  
for On-Screen Review and Cell Relocation

Comprehensive Data Presentation



M E T A  
S Y S T E M S

[www.MetaSystems.de](http://www.MetaSystems.de)

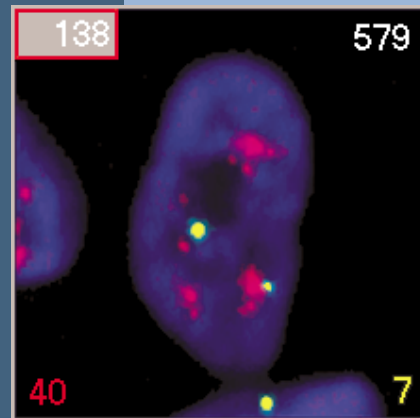
## Automatic Interphase FISH Analysis

Scoring FISH signals in a large number of interphase nuclei is a tedious task, particularly if probe kits with more than two fluorochrome labels are used. MetaCyte, an application of the versatile scanning platform Metafer, automates the microscopic analysis of FISH slides. Metafer - MetaCyte provides precise results and full documentation of the analyzed cells.

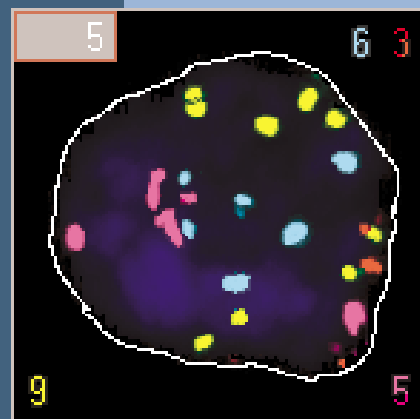
Metafer - MetaCyte finds areas with analyzable cells, combines the image information from different focal planes, and identifies and counts the FISH signals. Colocalizations are detected via the 3-D distances between signals.

Metafer - MetaCyte's unique training feature allows automatic optimization of classifiers to a lab's specific hybridization results as well as easy adaptation to new specimen types or probe kits.

The automatically recorded scanning results include all the information necessary to review a case. Remote access from an appropriate PC allows tele-consulting or reviewing cases while Metafer - MetaCyte is already scanning another batch of slides.



Breast cancer cell showing Her2-amplification. Scanning data displayed: Her2 signal area (red, lower left), centromere 17 signal area (yellow, lower right), and Her2/cen17 ratio in percent (upper right).



Bladder cancer cell with automatic signal counts of chromosomes 3 (magenta), 7 (yellow), 17 (cyan), and 9p21 locus (red).

Front page: Image gallery of leukemic bone marrow cells showing bcr/abl colocalization. Displayed results: number of bcr and abl signals in green and red, respectively, and minimum distance between green and red signals (upper right, white).