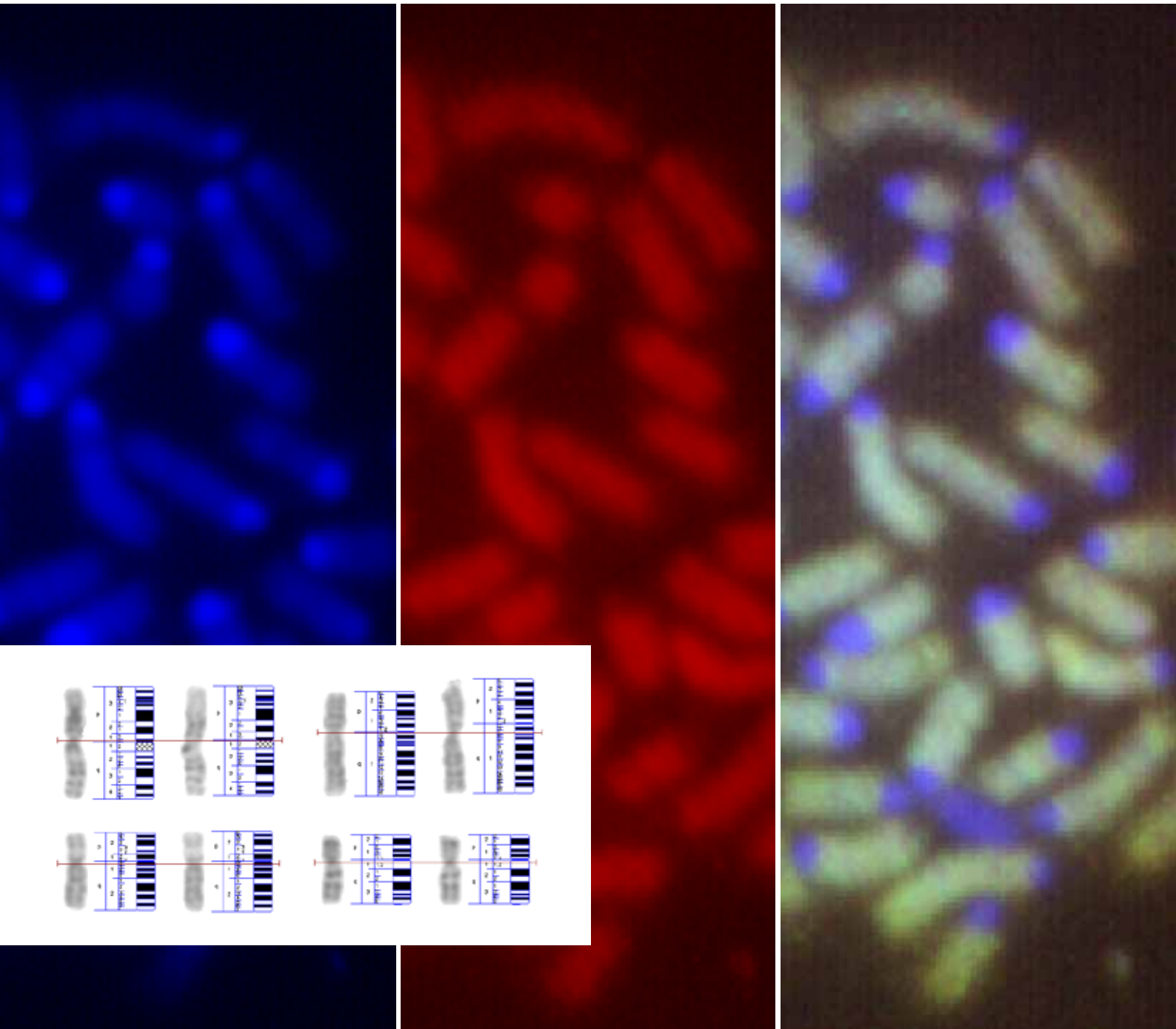


Vision Karyo[®] FISH

Karyotyping and analysis using the FISH method



Automatic karyotyping of chromosomes

A modern approach to chromosome analysis, using FISH method

- automatic separation of crossing over and touching of chromosomes
- straightening of curved chromosomes
- automatic and manual object selection for measurement
- high accuracy of automatic karyotyping of human chromosomes. Ideogram generation
- wide range of karyogram operations
- standard ideograms of different human chromosomal ISCN nomenclatures: 400, 550 or 850
- ideogram generation for future identification of chromosomes
- simultaneous comparison of chromosomes and ideograms
- karyotyping of animal and plant chromosomes



1 Digital camera
High resolution delivers superior image quality of a metaphase plate microscopy sample. An ultrasensitive camera detects even the weakest of signals.

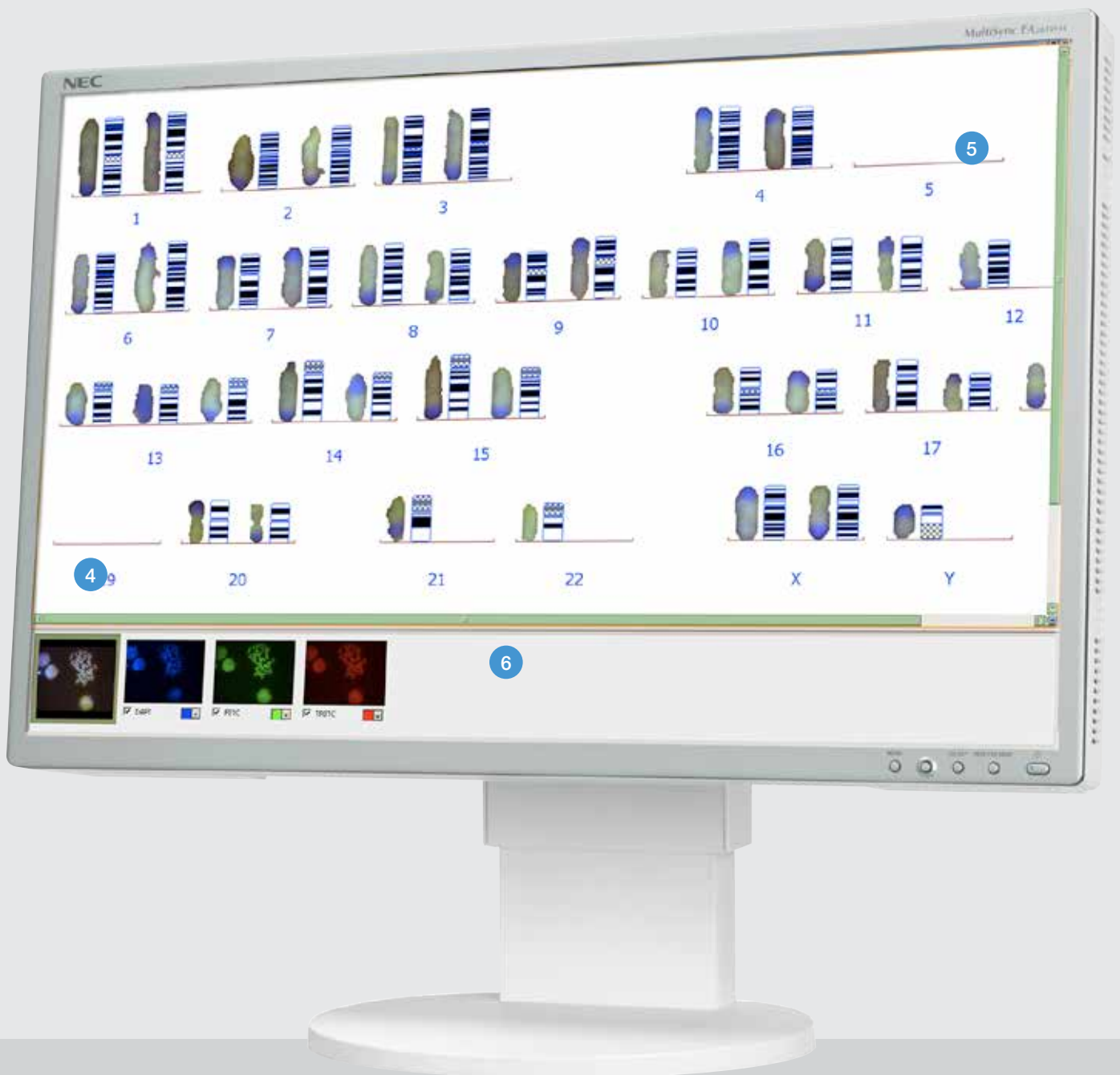
2 Optical system
The combination of innovative technology and classical microscopy extends the working possibilities. If necessary, microscopy sample of a metaphase plate can be viewed through the eyepieces.

3 Fluorescence
A fluorescent unit with up to 6 filters provides a wide range of possibilities of the FISH method application.

4 Toolbar
The toolbar is designed according to the analysis' algorithm and ensures compliance with all the stages of the procedure, providing reliable results.

5 Karyotyping
An automated karyotyping with the possibility of manual correction.

6 Final image and pseudocoloring
The final image is generated by combining and pseudocoloring a serie of original monochrome images with different fluorescent stains.

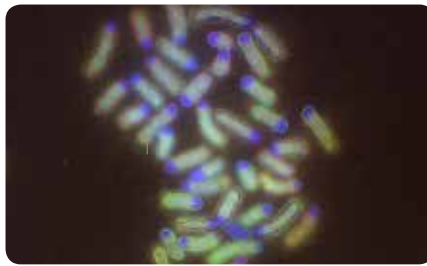


Productivity and quality



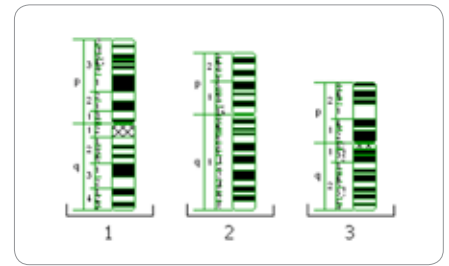
The automatic karyotyping of human chromosomes

Vision Karyo® automatically detects changes in the number and structure of chromosomes, which allows you to diagnose genetic abnormalities (Down, Patau, Edwards and other syndromes).



Chromosome analysis using the FISH method

The method of fluorescence in situ hybridization is used to identify specific DNA sequences and is designed to automate a wide range of studies using the fluorescent hybridization method.



An adjustable reference guide for ideograms

Generation of ideogram database for future identification of chromosomes. A configurable diagnosis reference guide will meet your personal requirements. Set your preferences only once and use it in your daily routine.



Report generation in accordance with personal requirements

You can take into account different template requirements (form and content). Add and delete analysis parameters, patient information fields and images.



Education and professional development

By working with the Vision Karyo® system, specialists and technicians improve their expertise every day due to the review of metaphase plate images as well as discussion with colleagues and experts.



Karyotyping of plant and animal chromosomes

Vision Karyo® allows the control of genetic material structure in breeding new varieties of plants and animals.

* This catalogue is intended for use outside EU. Product images are shown for reference only and final product may differ

