MetaSystems

Metafer, Ikaros, and Isis

Professional Microscopic Imaging Systems

Tools for the Analysis of Animal and Plant Specimen

Slide scanning, slide digitization, karyotyping, and fluorescence imaging

- Unattended metaphase detection and image acquisition from specimen of any plant and animal species
- Automated karyotyping of plant and animal chromosomes based on a wide variety of karyogram forms
- Karyogram form editor
- Chromosome ideograms from many species
- Fluorescence imaging with up to 12 color channels
- Digitization of slides / Virtual slide imaging with free choice of magnifications, contrasting methods, and slide formats
- High-throughput scanning (up to 880 slides)

Simplify

With the professional tools of MetaSystems the workflows in crop science and animal breeding research labs can be remarkably streamlined.

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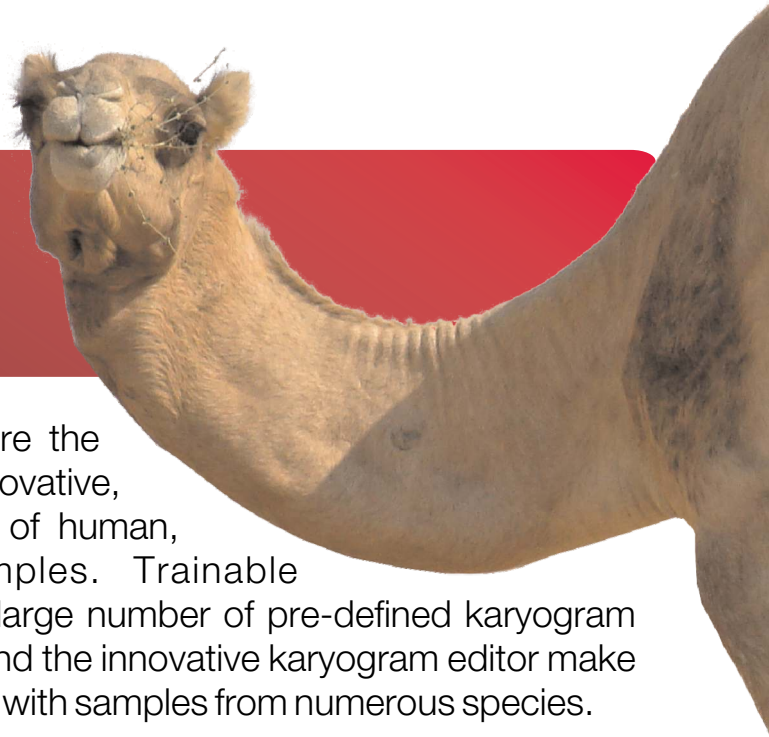
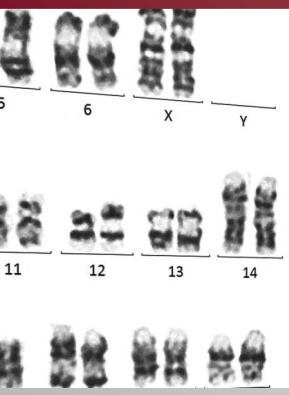
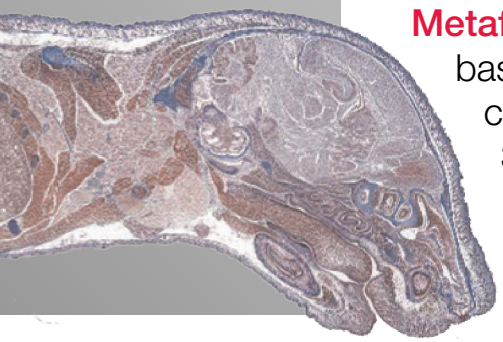




Metafer, Ikaros, and Isis are the systems of choice for innovative, efficient, and fast analysis of human, plant, and animal samples. Trainable chromosome classifiers, a large number of pre-defined karyogram forms for various species, and the innovative karyogram editor make the system ready to be used with samples from numerous species.

With its unique system architecture the metaphase finder **Metafer MSearch** finds metaphases of any kind in extremely short time. Once found, metaphases can be automatically aqcuired for karyotyping and analysis on connected **Ikaros** or **Isis** stations. Hereby the karyotyping engine of both systems can be trained to automatically identify chromosomes of any species based on banding pattern and chromosome shapes.



Metafer MetaCyte, the automated cell signal analysis system based on the Metafer slide scanning platform, is capable to find cells and structures on a slide, and to analyze them for up to 350 different features. If combined with the **VSlide** image stitching software even high-quality images of large samples (e.g. tissue sections) can be acquired automatically.

MetaSystems Worldwide

MetaSystems is proud to have a worldwide network of competent business and service partners. For inquiries, please contact your local MetaSystems partner or one of the three MetaSystems offices in Germany, USA, and Hong Kong.

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