

FACT SHEET SERVICES

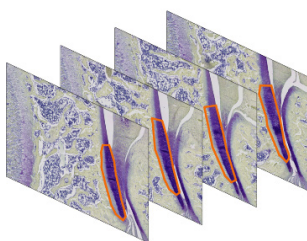
ADVANTAGES

- » **Automated image analysis**
Speed up your quantification and diagnosis tasks by using our software solutions and services tailored to and seamlessly integrated into your current workflow.
- » **Utilization of in-depth digital pathology knowledge**
Benefit from our expertise in image processing, tissue analysis, the histology workflow, and user interface/experience design.
- » **Application to e.g. drug discovery, toxicology studies, and companion diagnostics**
Digital pathologists in pharmaceutical research, contract research organizations, and biotech companies value our services, from generating quantitative results (such as scoring) based on image data to developing custom-made, fully fledged applications with intuitive user interfaces.

SUCCESS STORIES

- » **Volume quantification for mouse models in osteoarthritis research**
Developed for Merck KGaA, Germany

MERCK



Pain: Software-based quantification highly labor-intensive, 35% of overall process time needed

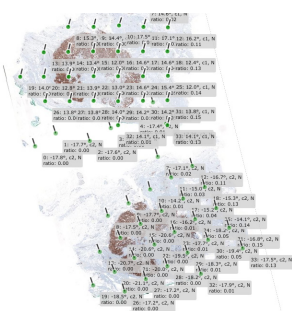
Gain: >30% speed-up for quantification using microDimensions' solution

"The stereology solution from microDimensions speeds up our workflow by more than 30 percent in comparison to our previous software solution. We are extremely happy with its streamlined workflow as well as intuitive user interface and value microDimensions' very responsive support team."

— Dr. Sven Lindemann, Head of Exploratory Osteoarthritis, Merck, Germany

- » **Rigid image registration of patches at landmark positions**
Developed for Definiens AG, Germany

DEFINIENS
the tissue phenomics company



Pain: Alignment of multi-stained sections required for image analysis, but inaccurate/labor-intensive with current solution

Gain: Significant speed-up in image analysis, improved communication with pathology clients

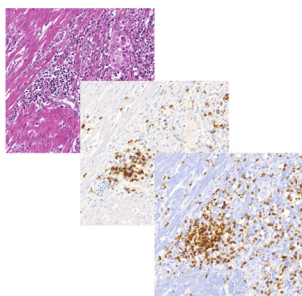
"The co-registration functionality of microDimensions' technology is unrivaled in terms of speed and accuracy. Using the cutting-edge algorithms of microDimensions incorporated into Definiens' Tissue Phenomics technology will considerably accelerate our phenome discovery process for immune-mediated cancer therapies."

— Dr. Günter Schmidt, Vice President Research, Definiens, Germany

SUCCESS STORIES

» Spatial alignment of entire virtual slides

Developed for a big biotech company, USA



Pain: Spatial alignment of existing commercial software only accurate on small patches of whole slide image

Gain: Improved quality of image analysis - combination of biomarkers on 40x instead of 5x

"Compared to other software for co-registration, the accuracy and robustness of microDimensions' alignment technology is unmatched, especially when we move on a high magnification level. Due to the high level of automation [...] we can significantly speed up our studies and create more significant readouts."

— Stefan Hamann, Senior Scientist Research Technology, Biogen, USA

CUSTOMERS AND USERS

Prestigious companies, universities, and institutes around the world use services and software solutions from microDimensions, such as:

DEFINIENS
the tissue phenomics company

Institut
thématiques **Inserm**
Institut national
de la santé et de la recherche médicale



MERCK

NIH National Institute
on Aging

Roche

SingHealth
Defining Tomorrow's Medicine

TUM

PARTNERS

We are proud of our network of renowned partners: the best players in the market of digital microscopy and pathology collaborate with microDimensions to jointly improve diagnosis and research by means of digitization and automation.

3DHISTECH

BITPLANE
an Oxford Instruments company



GSISH

HAMAMATSU
PHOTON IS OUR BUSINESS

HURON
Digital Pathology

MORPHISTO
Evolutionsforschung und Anwendung GmbH

ZEISS



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obtain additional information.

<http://micro-dimensions.com/services>