



DIGIMUS[®]multi

Alignment to:

DXA
CCA
NMR

Bone Mineral Density and Body Composition Imaging & Analysis Software

Simulate Multiple Approaches from a Single Scan

DIGIMUS[®] Multi is the only dual-energy, X-ray absorptiometry (DXA) software available today that offers powerful proprietary algorithms highly correlated with nuclear magnetic resonance (NMR), chemical carcass analysis (CCA), and our original DIGIMUS alignment algorithm correlated to the PIXImus – the gold standard in small animal DXA - from just one DXA scan.

A major advancement in next generation DXA imaging, DIGIMUS Multi allows for robust measurements of bone quality and body composition to align to multiple gold-standard analyses.

DIGIMUS Multi is highly correlated (>0.96) and has been validated against NMR, CCA, and PIXImus (DXA) datasets for evidence-based decision making.



High-Resolution X-Ray Imaging

Available on select KUBTEC systems, high-resolution X-ray imaging systems can be configured for compatibility with DIGIMUS Multi so that your research isn't limited to just one choice of systems.

Features:

- Multi-modal functionality
- Fast and easy data acquisition
- Global and ROI analysis
- Convenient presets and data batch options
- Adjustable skull exclusion area removes nose cone signal
- Exclude ear tags, surgical pins, and wound closure clips from global measurements
- Selection of X-ray systems based on your applications

User-Friendly Software with One-Click Imaging

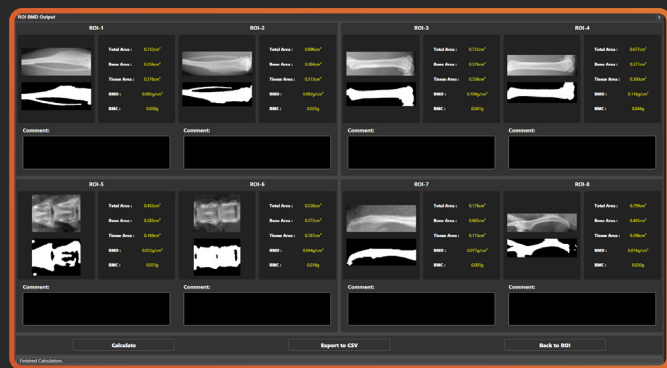
Scope of Analysis:

Global

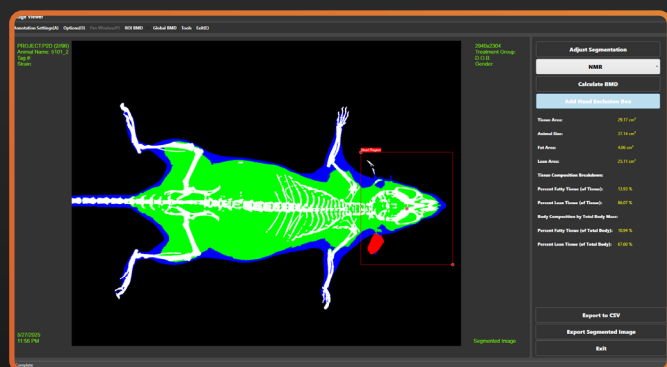
Analyze whole-animal body composition

ROI

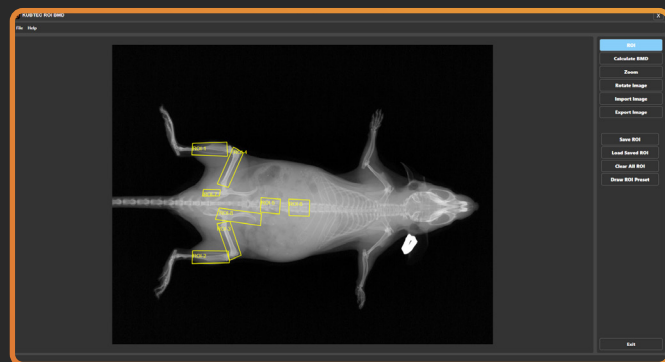
Select single or multiple regions of interest



ROI analysis results



Global analysis



ROI analysis view



DXA analysis view

Ease of Use:

Image

- Obtain a DXA image set in less than 30 seconds

Analyze

- Choose from a drop-down menu of NMR, CCA, or PIXImus alignment

Measure

- Global data output includes:
 - Bone Area, Tissue Area, Animal Size, BMD, BMC, Fat Area, Lean Area
- Tissue Composition Breakdown:
 - Percent Fatty and Lean Tissue (of Tissue)
- Body Composition by Total Body Mass:
 - Percent Fatty and Percent Lean Tissue (of Total Body)

Save Animals, Save Time, Save Money

DIGIMUS Multi is the only DXA system that can help you know from one scan if other tests are worth the time and expense, or if it's worth pursuing a drug candidate or treatment for further development.

Scan and Analyze in Seconds

Fast, easy, and consistently reliable data.

Unmatched Capability with  **DIGIMUS^{multi}** – There's Only One.