Introducing:

E-CLASS

Entry-level systems

MILabs

Making Molecular Imaging Clear

Start small, think big

Welcome to MILabs E-CLASS the most powerful economical preclinical imager ever

Economical: You can start small in preclinical imaging as long as your system enables you to do big things. No matter what modality, PET, SPECT or CT, your entry-level MILabs E-Class imaging system will keep costs low and image quality high.

Exceptional: You can expect no less from MILabs, a combination of exceptional performance and outstanding utility: SPECT and PET at sub-mm resolution, and ultra-fast X-ray CT at low dose levels.

Expandable: Start small, think big, scale fast. Not by adding more imaging systems, but by upgrading your entry-level system to 4x4D omni-tomography (including optical). No animal shuttling but instead the grand fusion of tomographic modalities into a single gantry ("all in one") to exploit the synergy of complementary features ("all at once").

Essential: Exclusive capabilities to expand your diagnostic and therapeutic research including; single-pass simultaneous PET and SPECT, dynamic CT, fluorescence & bioluminescence, and exclusive theranostic imaging with α & β radiotherapy nuclides.

Evidence-based performance and application reach. Based on technology proven in over 100 global installations for preclinical applications documented in hundreds of peer-reviewed publications.

Easy-to-use: Master acquisition & reconstruction in one day.

PET

- ✓ 0.75 mm resolution ^{18}F and ^{124}I
- ✓ Best image contrast ratio
- ✓ Mice and rats
- ✓ Static and dynamic PET
- ✓ Multi-isotope PET
- ✓ Simultaneous PET/SPECT*

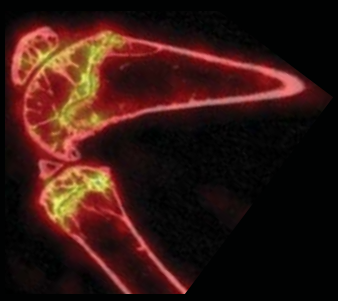
SPECT

- ✓ Sub-0.5 mm resolution
- ✓ Superb sensitivity
- ✓ Static and dynamic SPECT
- ✓ Mice, rats and small rabbits
- ✓ 3D auto-radiography*
- ✓ α & β radiotherapy*

CT

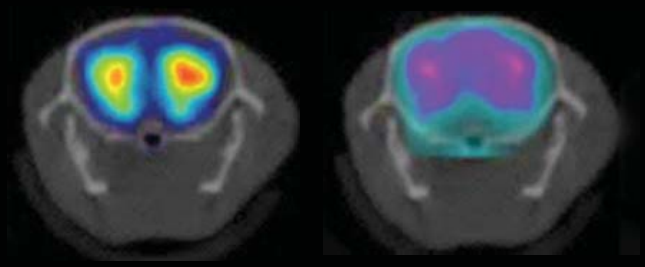
- ✓ 30 µm voxel resolution
- ✓ 5 sec whole-body mouse
- ✓ < 5 mGy whole-body mouse
- ✓ Mice and rats
- ✓ Dual-gated acquisitions*
- ✓ Dual-energy and DCE-CT*

*denotes options



SPECT/CT

Cardiac SPECT



Simultaneous brain PET-SPECT

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