

IRIS PET/CT

The Ultimate Preclinical Imaging System



- High performance
- High throughput
- Easy to use
- Cost-effective
- Optimised mouse and rat imaging

Specifications PET:

Sensitivity > 9%
Spatial resolution < 1 mm (3D OSEM)
Axial FOV: 96 mm (Single bed)
Trans-axial FOV: 80 mm
Energy resolution: 13% (Best on market)

Specifications CT:

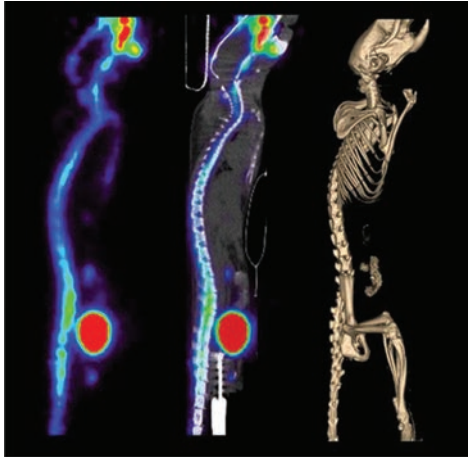
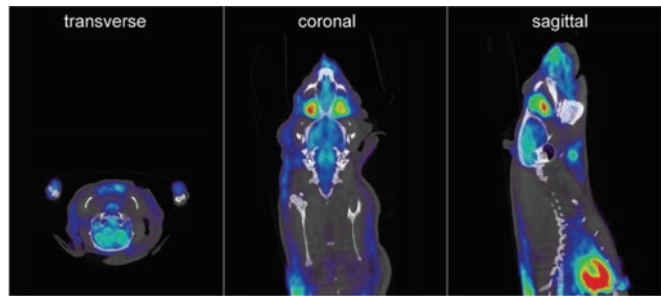
Resolution: 70 μm @ 10% MTF
Fastest whole-mouse scan: 7s (4D CT)
Axial FOV: 90 mm (Single bed)
Trans-axial FOV: 80 mm
Low dose scanning

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inviscan
Imaging systems

Brain imaging

- Wistar rat
- Injected activity: 7.4 MBq 18F-FDG
- Acquisition starts at 60 min post-inj
- PET acquisition time: 15 min
- CT acquisition parameters: 80 kVp, 1 mA, 20 s total scan time



Bone imaging using ultra low injected activity

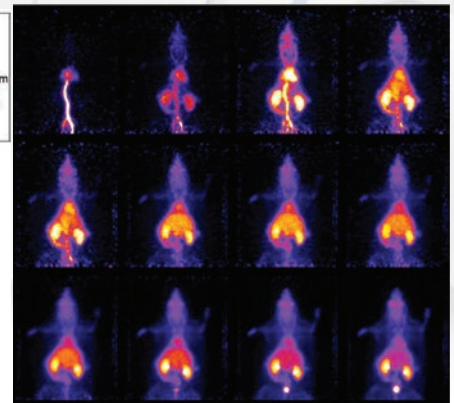
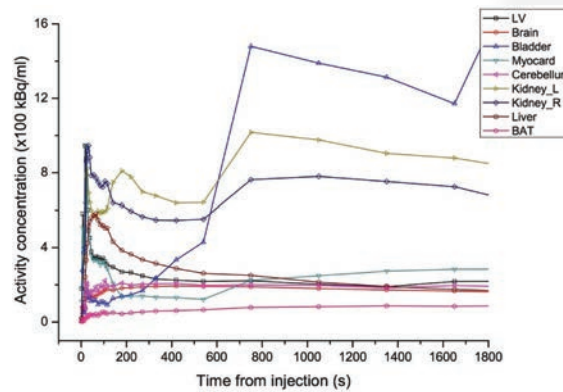


- Injected activity: 1.7 MBq 18F-HF
- Acquisition starts at 170 min post-inj
- Effective radioactivity in animal during acquisition: 0.58 MBq
- PET acquisition time: 10 min
- CT acquisition parameters: 80 kVp, 1 mA, 20 s total scan time, 120 μm voxel size

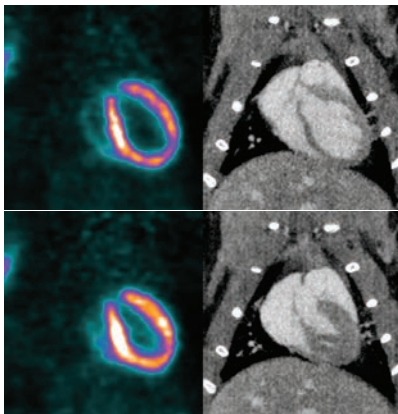
Dynamic scanning



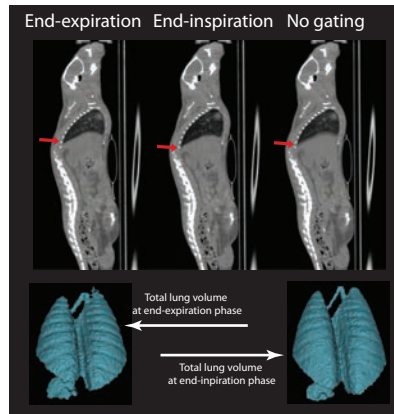
- Obese mouse model (B6; 129)
- 6 MBq 18F-FDG
- Time frames: 8x5" + 8x10" + 3x40" + 2x60" + 2x120" + 2x300"



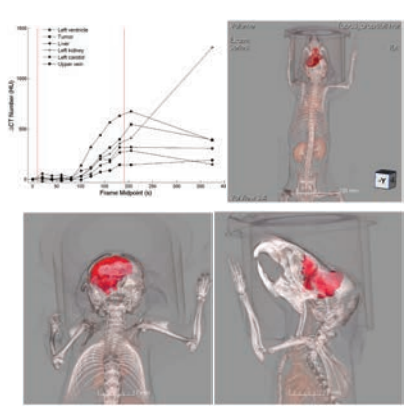
Cardiac PET/CT gated imaging using FDG and iomeron



Mouse CT lung imaging with automatic software gating



Dynamic 4D CT imaging for mouse glioma model



Available as CT only - Upgradable to PET/CT

Available in PET/CT/MRI mode