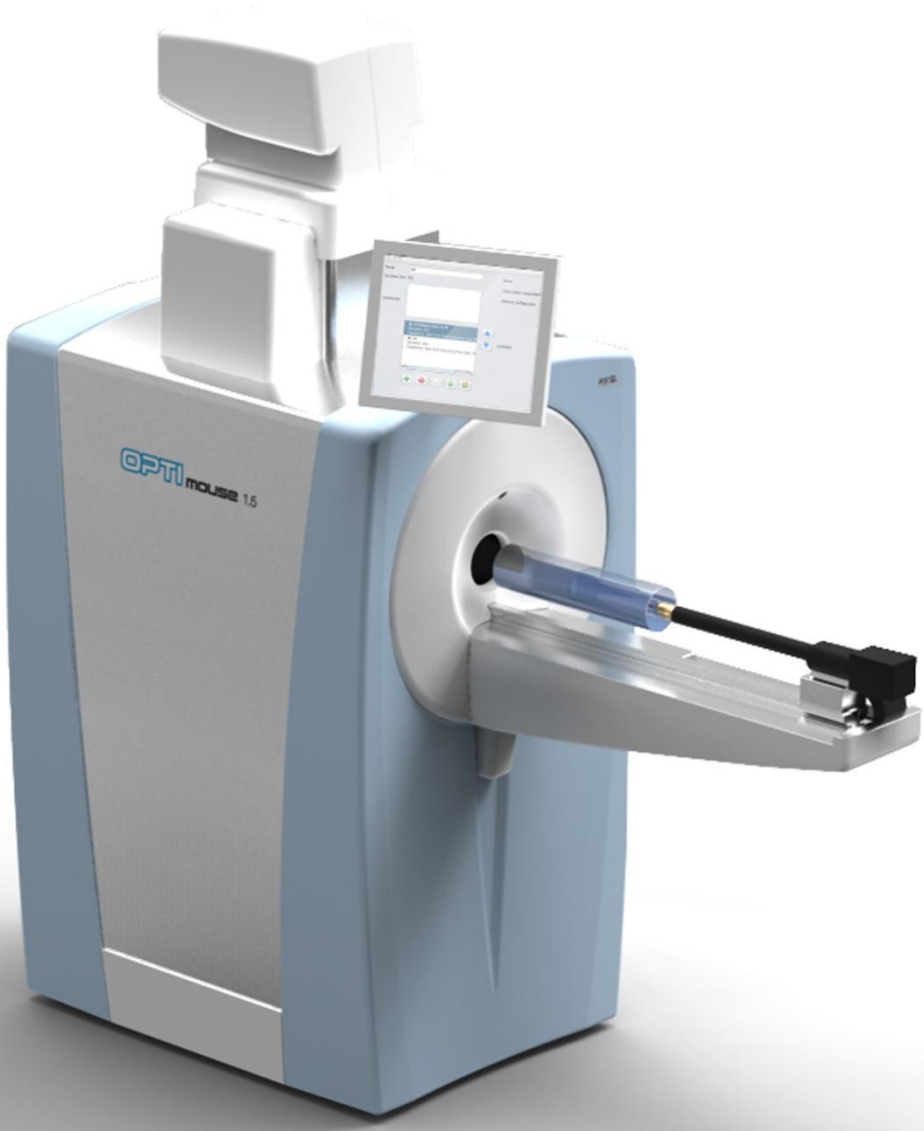
OPTI mouse 1.5



The dedicated preclinical MR System for Mice and Rats

Manufactured by RS²D
Relevant Systems for Science & Discovery

OPTI mouse 1.5

Easy-to-Use Software

An intuitive software designed for biologists

No MRI expertise required
Preclinical imaging adapted workflow
DICOM export

Magnet technology

An exclusive and innovative superconducting magnet at 1.5T

Clinical Field Strength
No liquid Helium
Restricted fringe field

Animal Handling

Preclinical imaging cells designed for multi-modality

Compatible with most imaging modalities
Easy animal handling

Integrated Electronics

A RS²D proprietary innovative concept designed for all NMR and MRI applications

High performance and reliability

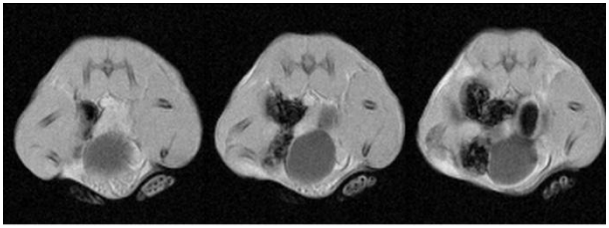
Referenced Expertise

System installed since April 2011 at the Preclinical Imaging Laboratory, University Hospital of Strasbourg, France

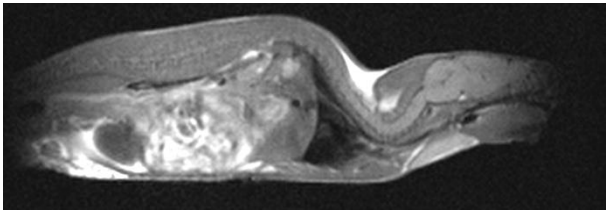
On site system demonstrations available **now**
Multi-modality demonstrations capability

OPTI mouse 1.5

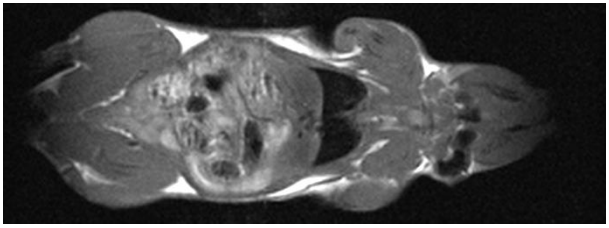
Soft Tissue Exploration



3 out of 10 axial slices of a mouse body
using a 2D Gradient Echo sequence
250x250µm² pixel size, 1mm slice thickness,
acquired in 8 minutes

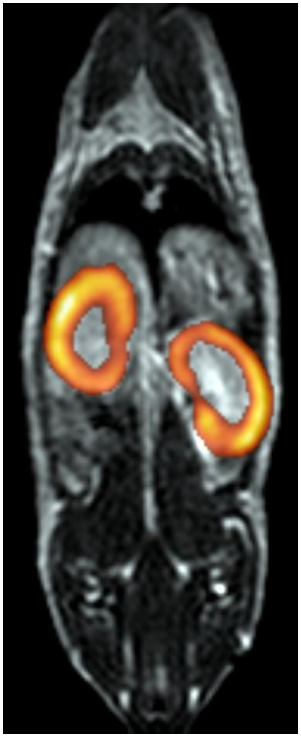


1 out of 5 sagittal slices of a mouse body
using a 2D Spin Echo sequence
312x312µm² pixel size, 800µm slice thickness,
acquired in 13 minutes



1 out of 6 coronal slices of a mouse body
using a 2D Spin Echo sequence
312x312µm² pixel size, 800µm slice thickness,
acquired in 13 minutes

Multi-Modality Compatibility



Mouse SPECT/MRI image fusion using
T_1- weighted isotropic Gradient Echo
sequence for MRI
merged with SPECT image
(99mTc – DMSA, IV 0.70mCi)
Total acquisition time of both images set
was 30 minutes

Images courtesy of Pr A. Constantinesco and Dr P. Choquet, Preclinical Imaging Laboratory,
Biophysics and Nuclear Medicine department, University Hospital of Strasbourg, France.

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Reinvent Systems for Science & Discovery

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