



In vivo

Sober

Quantitative

Accurate



## Sober Small Animals Body composition analyzer

QMR06-060H-PRO

QMR06-090H-PRO

The QMR series is a special instrument developed by Niumag Analytical for the quantitative and qualitative analysis of the body composition of small animals. It uses quantitative magnetic resonance technology to perform rapid, quantitative fat and lean content measurements in small animals while awake, based on relaxation differences in fat and lean muscle. The MRI visualises the two-dimensional spatial distribution of fat, which, when combined with quantitative data, provides multifaceted and in-depth data to support scientific research.

### Product features

- Fat content test
- Lean meat test

### Technical parameter

- Magnet Type: Permanent Magnet
- Magnetic field strength:  $0.15 \pm 0.015T$

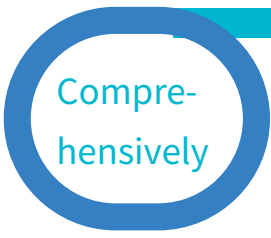
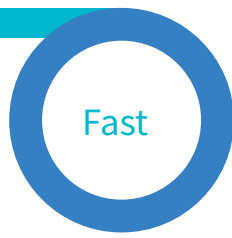
### Technical Features

- QMR06-060H-PRO:  
for small animal form 10g- 100g  
for tissues form 0.1g-6g in vitro
- QMR06-090H-PRO:  
for small animal form 10g- 800g  
for tissues form 0.1g-6g in vitro

※No need for anesthesia or death  
Full life cycle monitoring of animal models



No pretreatment required  
Complete analysis within 2 minutes



Analysis and Imaging in one instrument  
Quantitative detection + intuitive qualitative

### Application Field

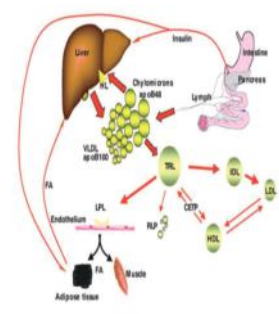
#### Pharmaceutical Research



#### Disease Research

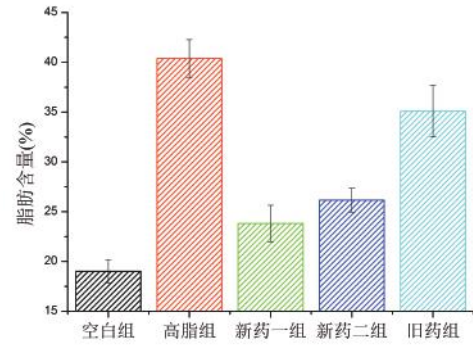
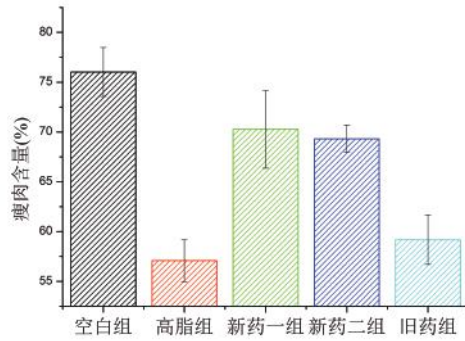


#### Metabolic Research



※Imaging tests require anesthesia

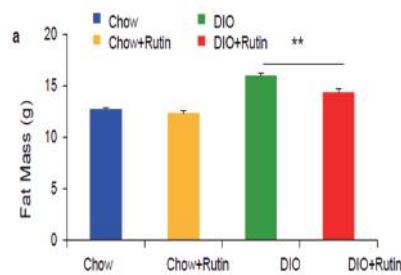
## Pharmaceutical Evaluation



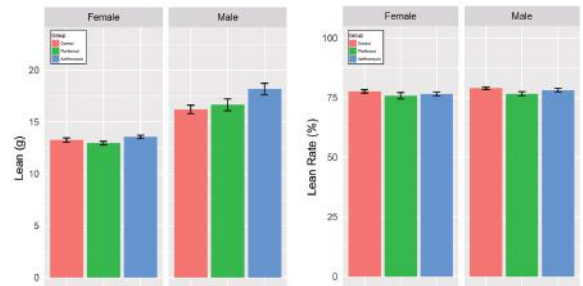
QMR Small Animal in-vivo Body Composition Analyzer can quickly detect fat content and lean meat content at the same time.

This technology can be used for the evaluation of pharmaceutical efficacy in pharmaceutical development for the treatment of obesity.

Articles published by clients



[1]



[2]

[1] Yuan x x. Rutin ameliorates obesity through brown fat activation[J]. Faseb Journal , 2017 , 31 (1) :333- 345

[2] Li R. Effects of oral florfenicol and azithromycin on gut microbiota and adipogenesis in mice[J]. Plos One , 2017 , 12 (7) .



SUZHOU NIUMAG  
ANALYTICAL INSTRUMENT CORPORATION

Shanghai:Room E/F, 5th Floor , No.1006, Jinshajiang Rd, Putuo District, Shanghai,China  
Suzhou:No.97 Qinglian Road,Xuguan Industrial Park,Gaoxin District, Suzhou, Jiangsu Province,China  
Web:www.nmranalyzer.com