



## RAM-METAMUS

Plateau technique du Réseau des  
Animaleries de Montpellier

LRQA  
CERTIFIED

ISO 9001  
NFX 50-900



- Phenotyping of muscular function and metabolism in rodents
- Breeding and housing with SPF and SOPF status
- Scientific collaborations, project management, services and R&D
- Respect for regulations, ethics and animal welfare



### MUSCLE FUNCTION AND PHYSICAL ACTIVITY

Endurance and resistance trainings, MAS, voluntary activity, circadian rhythms, strength : treadmills, Rotarod®, Grip-test, climbing grid, spontaneous activity wheels with recordings, immobilization systems



### METABOLISM

Energy expenditure : respiratory metabolism ( $VO_2$ ,  $VCO_2$ , RER), core temperature measurement, nutrition protocols, carbohydrate metabolism



### BODY MASS COMPOSITION

Real-time NMR measurements of lean body mass, fat mass and water in living mice



### OTHER ANALYSES

Behavior, exploratory activity, stress : 3D open-field, elevated cross maze, black-white boxes



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