



# HumanAppetiteLaboratory

## Fact Sheet

### Facility

The Human Appetite Laboratory (HAL) is located within the Covance Clinical Research Unit in Leeds, UK. This purpose built and fully validated facility for obesity-linked pharmacodynamic measurements is equipped with the following:

- Four isolation booths to create a controlled scientific environment for assessing the potential effects of a compound on appetite and food consumption
- Processing area for final preparation and weighing of test meals
- On-site kitchen and catering staff for test-meal preparation
- Multi-frequency bioimpedance machine for in-house body composition measurements:
  - Body weight and composition
  - Muscle-fat analysis
  - Anthropometrics, including body trunk and individual limb measurements

### Capabilities

The HAL staff provides services to safely and efficiently progress from First-in-Human in healthy volunteers through Proof-of-Concept in target populations across a range of therapeutic areas, including metabolic disorders.

- Specialisation in obesity studies
- Volunteer database with over 3,000 registered overweight/obese volunteers
- Rapid acquisition of Proof-of-Principle data (i.e. is appetite suppressed?) from First-in-Human studies using target overweight/obese population
- Handheld electronic computers for reliable Visual Analogue Scale data collection

### External collaborations

- Working relationships with key opinion leaders in the field
- Links with local consultants in metabolic disorders

### Additional services

- Expertise in specific biomarkers via Covance Laboratories in Harrogate, UK:
  - Adiponectin
  - Ghrelin
  - Leptin
- Access to specialised body composition imaging techniques such as Magnetic Resonance Imaging (MRI), Dual Energy X-ray Absorptiometry (DEXA) scanning and the BodPod®
- Access to metabolic monitoring equipment

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