SoHo™ Telemetry System

DSI's New Evolution of Preclinical Implants for Temperature and Activity

- New! Ability to socially house animals for a more authentic environment, meeting 3R standards.

- Collect temperature and activity data 24/7 without interference.

- Confidence in knowing your data is driven by industry leading and GLP compliant Ponemah software.

DSI™

Why SoHo Telemetry System?

Empowering Group Housing	• Designed for up to 96 implants in the same environment for high density social housing. • Group-house animals for natural behavior, 3R compliance.
Scalable to your Study Size	• Offering social housing with up to 16 subjects per transceiver. • Interchangeable setup with a rolling rack that can be moved from room to room.
Data Service	• Our team of experienced analysts can assist with study design, analysis and reporting on GLP and non-GLP physiologic data. • Comply with GLP and 21 CFR Part 11 regulations with data management features.
Surgical Services	• We support your research with surgical offerings including pre-implanted animals, consultation, and surgical materials.
Technical Services	• Let our experienced support team be your dedicated training partners in minimizing system challenges and setting you up for success in your studies.

Implantable Telemetry for extra small and small animals

Mouse   Hamster   Rat   Guinea Pig

Components of the SoHo System

SoHo Temperature and Activity Implant

- Collect data 24/7 without disturbing the animal.

- Gather study data with continuous, real-time In Vivo physiologic monitoring.

SoHub Transceiver

- Offers communication to and from the implant without disturbing the subject.

- Smaller footprint creates optimized space and more room in the lab.

- Now, only one tranceiver is needed per 16 study subjects.
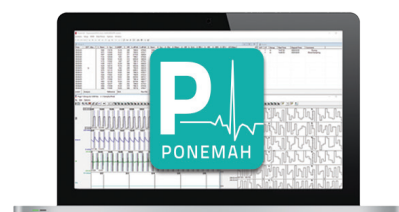
SoHo Rolling Rack

- Compact Setup system that can be moved from room to room as your needs change.

- Wherever your experiments take you, the mobile Ponemah acquisition station can follow.

Ponemah Software

- Comply with GLP and 21 CFR Part 11 regulations with data management features.

- Analyze data using algorithms for various species.

A SOLUTION FOR MULTIPLE USE CASES

INFECTIOUS DISEASE

- Measure temperature to better understand the effects of drug therapy and disease.
- Confidently acquire real-time data from challenging Biological Safety Level (BSL) environments with a miniature hardware footprint.
- Areas include vaccine development, fever, and trigger-to-treat studies.

NEUROSCIENCE

- Conduct longitudinal studies with the same subject; allowing for quantification of behavioral and physiologic change over time.
- Add quantitative analysis of endpoints to studies.
- Monitor temperature and activity in behavioral assays such as treadmills, mazes, and operant conditioning boxes.
- Areas include stress and pain, and social behavior.

OTHER AREAS OF CONCENTRATION

Basic Research

- Hibernation and torpor
- Exercise
- Thermoregulation
- Circadian Rhythm
- Oncology
- Reproductive studies

Safety

- Drug Development
- Metabolism
- Environmental
- Toxicology