

"The Science of pain is complex and its assessment subjective, leading to bias and health inequality. Now, researchers are searching for a reliable, objective measure of pain."

PAINTRACE SYSTEM

PainTrace® is a non-invasive monitor that measures a biosignal generated in the nervous system and is the **only** medical device that provides a quantitative measurement of both acute and chronic pain.

PainTrace may serve as a pivotal outcome measure to your work supporting health equity and personalized care.



DETECT

Identify when and where the pain is:

Mild acute pain peaks during examination visually pin-point the painful anatomy.

QUANTIFY

Visualize the severity of pain:

PainTrace® indicates the severity of pain displaying a pain delta, providing a quantitative measure of pain.

TRACK

Monitor pain to aid in treatment:

Chronic pain and severe pain in left shoulder shown on right trace. Absence of pain shown two weeks later during NSAID treatment.

HOW PAINTRACE BENEFITS YOUR RESEARCH

QUANTITATIVE MEASURE

Support animal welfare with a pain neurobiosignature for non-verbal patients. Objective acute and chronic pain measurement using proprietary electrodermal sensors.

STRATIFICATION

Normalize populations specific to existing pain in each subgroup, reducing selection bias. Individual biosignal to uniquely represent each study participant.

INTER-SPECIES TRANSLATION

Multi-species neurobiosignal to facilitate translation of animal models between species. Objective measurement of subclinical and clinical pain in multiple species.

ETHICAL INCLUSION & DIVERSITY

Mandated diversity and inclusion by research funding agencies. Individual biosignal to address the importance of ethical diversity and precision.

EFFICIENCY

80% power achieved with cohorts under 15 based on current studies. Objective individual pain measurement from stratification through outcomes.

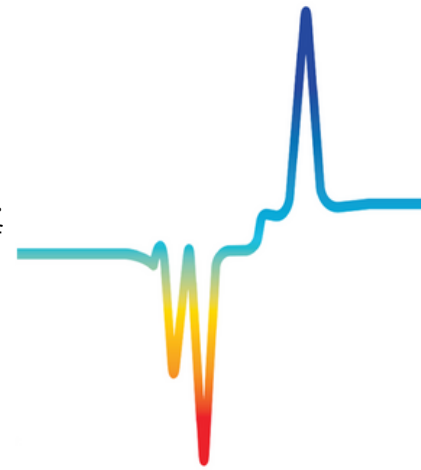


ACHIEVE YOUR GOALS

Add power to your existing pain assessment tools with quantitative data.

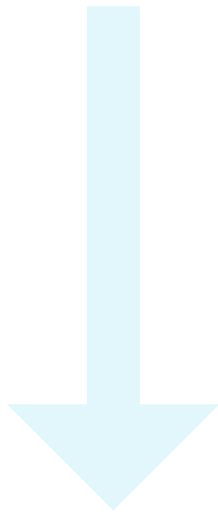
PainTrace® in research can be used for:

- **Stratification** - Tailored methodology can enhance the validity of your findings.
- **Pilot Trials** - Strengthen your application and protocol by providing evidence of your study's design and its relevance to addressing pain-related issues.
- **Phase Studies** - Smaller, well-defined groups can yield significant insights into pain measurement and improve the precision of your findings.



THE PROCESS

We will collaborate with you from the beginning to the end. Our team is dedicated to assisting you at every stage by offering protocol development, an objective pain outcome measure, comprehensive analytics and statistical reporting, and top-quality support. We ensure that you have all the resources and expertise needed to conduct your research.



DISCOVERY

Share goals and learn how PainTrace can optimize your research.

PROTOCOL REVIEW & CONSULTATION

Work with our team with confidentiality to develop the scope of work.

STUDY IMPLEMENTATION

PainTrace study resources and comprehensive training.
Study kick-off and ongoing support.

FINAL REPORT

PainTrace objective analysis based on study protocol.

“The technology successfully decreases bias from learned responses, repeated measures and facilitates masking of observers. PainTrace has proven valuable in supporting an objective outcome in the study we conducted.”

- Reliance Animal Health Partners



Innovative Technology

Medical device featuring a wearable monitor paired with an iPad system to detect, quantify, and track pain.



Clinical Professionals

Excellent staff of technical and veterinary experts with over 20 years of experience.



Technical Support

Easily-accessible customer support channels with quick response time, including trace analysis and interpretation.



Tangible Results

Quantitative outcome measures for diagnosis and efficacy of treatment.

