



# Maximizing the Success of Analgesic Clinical Trials with Tailored QST Solutions

QST = Quantitative Sensory Testing



# Why QST in Analgesic Clinical Trials?

Quantitative Sensory Testing (QST) is a gold-standard technique for quantitative assessment of small fiber functionality. Implementing QST in your trial will assist with:

## Phenotyping patients based on underlying pain mechanisms

QST is a powerful tool for phenotyping and stratifying subjects based on underlying pain mechanisms. This allows to identify and recruit only patients who are expected to benefit from the treatment.

## Secondary outcome measures

QST provides a quantitative and standardized secondary measures to assess the analgesic efficacy and support extended labeling of the investigated compound.

## Safety outcome measures

QST can be used to monitor small fiber function and assure no ill effects are caused by the investigated compound.

” ... the European Medicines Agency (EMA) has recently acknowledged [...] that sensory profiling and subgrouping [...] is an adequate stratification tool for determining specific sensory phenotypes of patients... ”

*(EMA 2016, Baron et al. 2017)*

# The Benefits of Choosing Medoc

- Reliable partner with over 25 years of proven experience in developing FDA & CE approved QST devices.
- Gold-standard QST devices, used in hundreds of research and clinical centers worldwide, with application in analgesic clinical trials.
- Comprehensive and tailored operation and training solutions assuring that QST is perfectly implemented in the complex arena of multi-center trials.



**Early design phase support** including research and guidelines



**Customized software and reports** for a program/trial-specific protocol and needs



**Recommendations for advanced QST test batteries** and QST end-points



**Multi-layer training approach**, including IM materials, trainings at sites, webinars and more



**Streamlined, plug & play technologies** with easy set-up and operation



**Ongoing, comprehensive support** covering all elements of QST performance, monitoring and protocol execution

# Products

## Q-Sense / Q-Sense CPM

A portable and easy-to-use QST system for assessment of thermal sensory and heat pain thresholds, with optional conditioned pain modulation (CPM) capability.



## TSA-II NeuroSensory Analyzer

The gold standard computer-controlled system for assessment of thermal sensory and pain thresholds, and for other dynamic QST modalities.

## AlgoMed

A software-based pressure algometer with real-time visual & auditory feedback for assessment of pressure pain threshold.



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