



Small-Fiber Test



- Easy to use • Portable • Quantitative • Validated • Affordable

Small-fiber neuropathies are not detectable
by traditional electrodiagnostic means

"Sensory modalities are more frequently affected than motor modalities and impairment of small nerve fibers could be the earliest detectable sign".

Papanas, Vinik, Ziegler; Nat Rev Endocrinol, 2011

Extended temperature range of 16° C to 50° C





Q-Sense provides easy-to-use and scientifically validated measurements of warm, cool and heat pain thermal sensory thresholds - all clinically useful determinants in the evaluation of diabetic, chemotherapy-induced, idiopathic and other small-fiber neuropathies.

"Damage to small, unmyelinated C-fiber has the greatest impact on survival and quality of life".

Vinik et al, Exp Clin Endocrinol Diabetes, 2001

- **Early Detection**

Subclinical detection may reduce severe neurological complications by making an earlier and more effective treatment course possible

- **Monitor Response to Therapy**

Can serve as a biomarker for treatment and pharmacologic intervention

- **Validated Measure**

Accepted by the scientific community, regulatory authorities and subjects



"Thermal hyperalgesia is a relevant clinical marker of early oxaliplatin neurotoxicity and may predict neuropathy".

Attal et al, PAIN, 2009

"The frequency of small fiber neuropathy found with the thermal threshold test was higher than large fiber neuropathy found with Nerve Conduction ($p < 0.001$) and was found at an earlier stage".

Jimenez-Cohl et al, J. Diabetes Sci Technol, 2012

- Comparison to Normative Reference Data
- Easy-to-Interpret Clinical Test Report
- Versatile Patient Database & Export Utility
- Pre-programmed Test Algorithms
- Sensitive and Reproducible



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