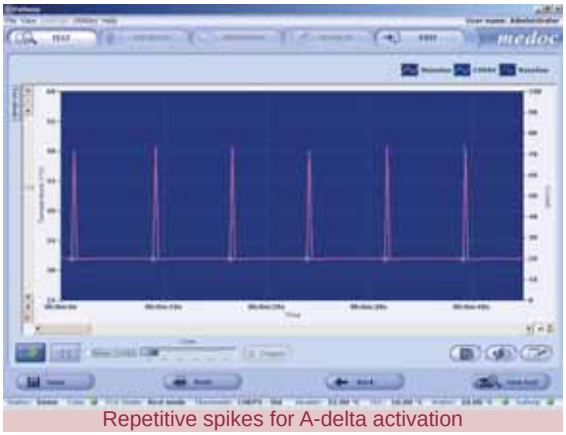
A New Bio-Marker for Pharmaceutical Development

PATHWAY
Pain & Sensory Evaluation System

The PATHWAY Pain & Sensory Evaluation System is an advanced, computerized thermal stimulator designed for advanced neurological and pain research, with application as a new bio-marker in the evaluation of new compounds for peripheral neuropathies and neuropathic pain.

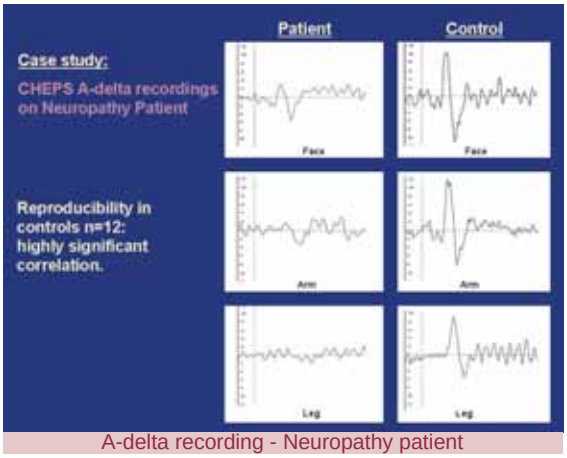
PATHWAY model CHEPS (Contact Heat Evoked Potential Stimulator) expands the quantitative investigation of human nociceptive pathways, providing pharmaceutical companies with an objective view of the pain process demonstrating the cortical appreciation of pain*.

CHEPS delivers rapid heat pulses at a rate up to 70° C/sec. from a baseline up to 55° C in 250 milliseconds; enabling for the first time, selective activation and recording of both A-delta & C-fiber cerebral evoked potentials



Repetitive spikes for A-delta activation

- Facilitates decision making between multiple compounds for early development
- Provides efficacy data coming out of Phase-1 programs
- Reduces statistical sample size
- Assists in defining dosage
- Reduces time to market
- Application in pre-clinical phase
- Use with fMRI compatible EEG recording for multi-modal evaluation of small fiber function



A-delta recording - Neuropathy patient

"Current methodology, regarding the evaluation of compounds for neuropathic pain, does not specifically look at structural effects of the pain pathways. Confidence intervals are wide and require a large number of patients. CHEPS generated small-fiber evoked potentials can demonstrate if a compound has an effect on small-fiber nerves, such as improving function or structure. The functioning of this nerve pathway can be assessed in a robust, reproducible way, allowing a smaller numbers of patients to be investigated and potentially an earlier assessment of efficacy"

*All references on file and available on request

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See instructions for use

FDA Cleared

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