UTAS Multifocal/Pattern System

The most comprehensive system for testing the retina, optic nerve, and visual cortex

LKC TECHNOLOGIES

SIMPLE TO USE

Automatic cursor placement

Small footprint & portable

Simple user interface with powerful testing/reporting features

High-quality LCD monitor carefully selected and driven in a manner to clinically eliminate flash artifacts

Real-time calibration of the LCD monitor delivers consistent quality throughout testing

Reliable Ultra Low-Noise Digital Amplifier (UBA) makes downstream noise coupling impossible. No need for shielding and separate grounding

VERSATILE

Widest range of fully ISCEV-compliant multifocal ERG/VEP and pattern ERG/VEP test stimuli and reports

Export PDF for electronic medical records or raw data (.CSV format) for research

MULTIFOCAL TESTING

Multifocal testing using long m-sequences and sophisticated artifact rejection methods provides clean waveform results

Redesigned multifocal signal processesing incorporates Erich Sutter's published methods to allow for consistent comparisons and system migration path
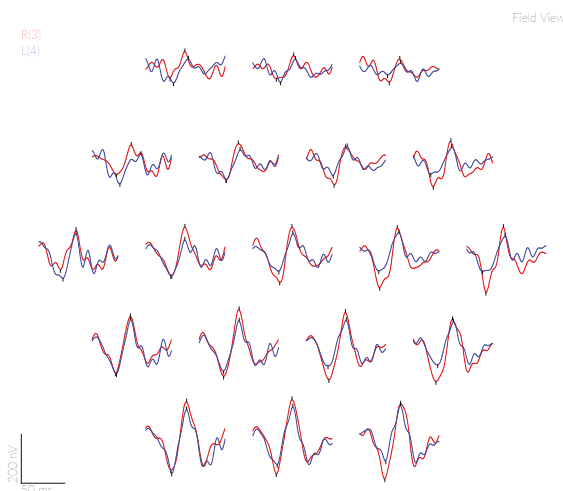
mfERG

Stimulus types: 19, 61, 103, 241 hexagons

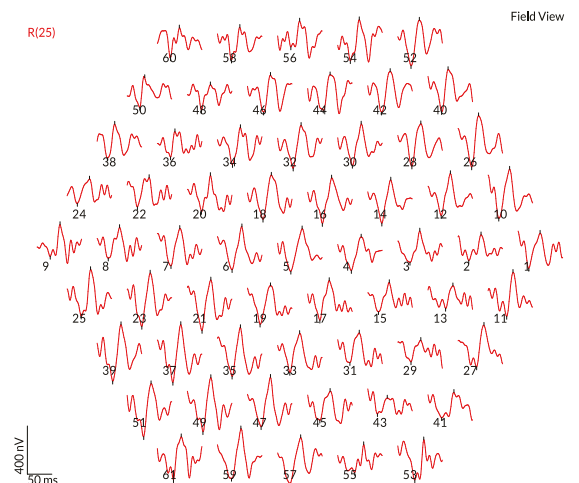Report types: Trace Arrays, Amplitude & Time, 3D plot, and Region/Ring Ratios

Multi-channel recording allows for bilateral testing

Average multiple tracings for reduced noise and improved recordings

mfERG 19-hex Trace Array

mfERG 61-hex Trace Array

mfVEP:

Stimulus types: 4, 16, or 60 wedges
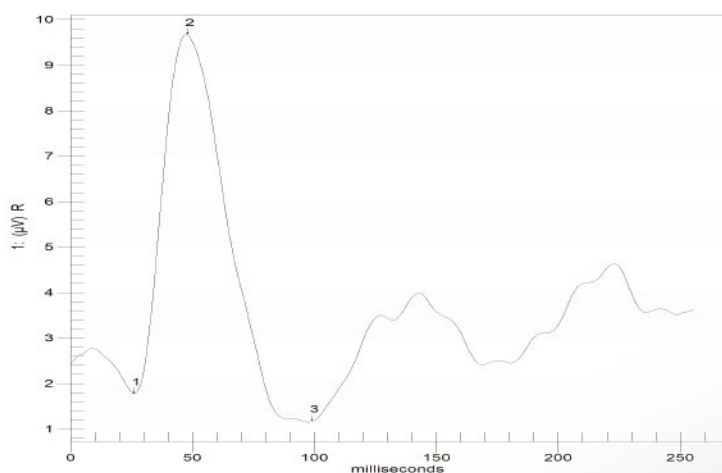with pattern sectors

Report types:
- Trace Array
- Overlapped interocular comparison
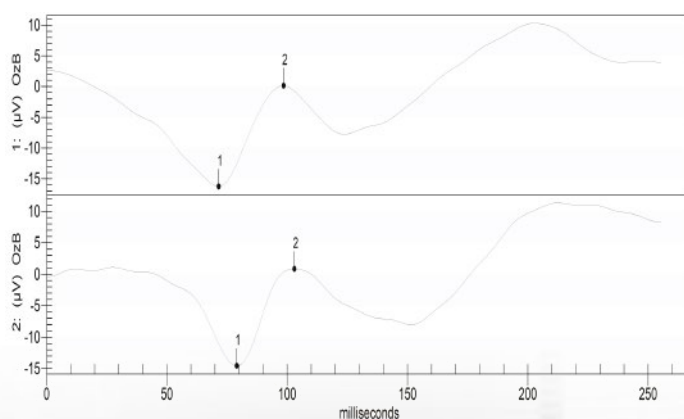- Regional average waveform display

PERG

- Bilateral testing capable
- Custom protocols available

PVEP

- Bilateral testing capable
- Custom protocols available

USE ANY ELECTRODE

Any type of electrode can be used with the UTAS multifocal/pattern system, including DTL electrodes

COMPACT

Small footprint (24" x 26") portable cart with retractable integral chin rest, mounting for all system components, and locking 4" casters for ease of movement

Combine with RET*eval*® handheld ffERG/VEP to complete your testing system.