RETeval® Flicker

LKC TECHNOLOGIES
VISION DEFINED™

PORTABLE VISUAL ELECTRODIAGNOSTIC SYSTEM

Get valuable information for a faster, more effective diagnosis and easy monitoring of vision-threatening diseases

Powerful ERG Testing At Your Fingertips

An electroretinogram (ERG) test provides easy and reliable guidance for medical professionals to understand and assess functional changes that may impact patient's vision by looking at the retina's response to light.

COMMON USES FOR FLICKER ERG TESTS

- Diabetic Retinopathy[1,2]
- Pediatric Nystagmus[3]
- CRVO Monitoring[4]
- Unexplained Vision Loss
- Acquired and Inherited Retinal Diseases[5,6]

Easy ERG Testing

ERG tests provide functional and reliable data, which matters when vision is at stake. Our transformational **RET***eval* device makes flicker ERG testing easy and readily available, providing proven and repeatable test results.

Real-Time Results for Real Patients

Same day answers with the **RET***eval* device which displays real-time test results directly on the device. Make it even easier with our optional EMR SDK and customized tests for your practice. Get accurate information at your fingertips, exactly when you want it.

Affordable and Portable

No need for a dedicated room to store large, complex equipment for complete ERG testing. The **RET***eval* device is small enough to fit in your hand, and deliver complete flicker ERG capability at your fingertips. Perfect for multi-doctor, multi-office, or satellite office practices.

Proven Measurements Broad Spectrum Results

Featuring full ISCEV-compliant ERG flicker testing, as well as advanced testing for diabetic retinopathy with our exclusive DR protocol.

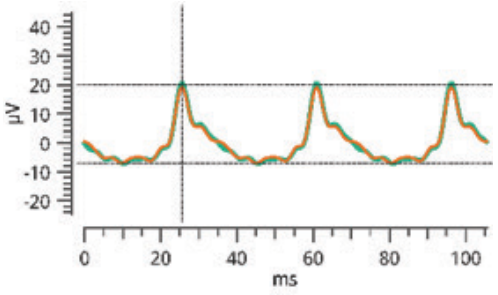
PORTABLE **EASY TO USE** **EMR CAPABLE** **REPEATABILITY**

EFFECTIVE FUNCTIONAL RETINA TESTING

Your choice of 17 language options.

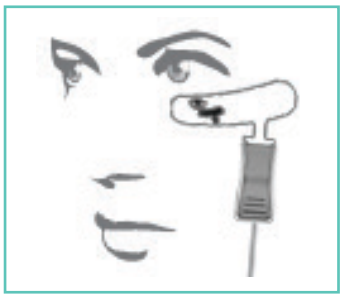
EXAMPLE STANDARD FLICKER TEST

Less than one minute



PHOTOPIC 30 Hz FLICKER

ELECTRODES AND ERG TESTING TO MATCH PATIENT NEEDS



- Use any approved corneal electrode
- Use patented **RET***eval* Sensor Strip skin electrodes
- Dilated or Undilated Testing

1 Maa et al. A novel device for accurate and efficient testing for vision-threatening diabetic retinopathy. *Journal of Diabetes and Its Complications*, 2015.
2 Fukuo et al. Screening for diabetic retinopathy using new mydriasis-free, full-field flicker ERG recording device. *Scientific Reports*, 2016.
3 Grace et al. Portable non-sedated electroretinogram evaluation of children with nystagmus in the pediatric ophthalmology clinic. *Bascom Palmer Eye Institute*, 2016.
4 Yasuda et al. Flicker electroretinograms before and after intravitreal ranibizumab injection in eyes with central retinal vein occlusion. *Acta Ophthalmologica*, 2015.
5 Nakamura et al. Evaluation of cone function by a handheld non-mydriatic flicker electroretinogram device. *Clinical Ophthalmology*, 2016.
6 Ullah et al. Mutations in phosphodiesterase 6 identified in familial cases of retinitis pigmentosa. *Human Genome Variation*, 2016.

LKC Technologies, Inc., established in 1975, is an ISO 13485:2003 & 2012 certified, FDA-registered medical device manufacturer with quality products installed worldwide in over 70 countries. **RET***eval* is trademarked by LKC Technologies and the device is CE marked and FDA cleared.

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The **RET***eval* device may be covered by one or more of the following US patents and their foreign counterparts: 7,540,613 and 9,492,098. Additional patents pending.

The **RET***eval* device Sensor Strips may be covered by one or more of the following US patents and their foreign counterparts: 9,510,762. Additional patents pending.

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