LKC TECHNOLOGIES

RETevet™

Improve Diagnostic Accuracy with ERG

EASY | EFFICIENT | RELIABLE

Go beyond structure. Measure function.

RETevet™

Visual Electrophysiology Testing

ERG helps in diagnosing various retinal and optic nerve diseases and provides objective information on how the visual system is functioning. It provides reliable guidance for medical professionals and researchers to manage functional changes that may impact vision.

The RETevet device helps **veterinary ophthalmologists** to:

DETECT

Detect various retina and optic nerve diseases, especially before cataract surgeries

DIFFERENTIATE

Differentiate between retinal and post-retinal causes of animal blindness

CERTIFY

Ensure the absence of retinal disease for breeding, or certification purposes

Clinical Indications

- Pre-cataract surgery evaluation
- Sudden acquired retinal disorder syndrome (SARDS)
- Progressive retinal atrophy (PRA)
- Cone-rod dystrophy (CRD)
- Retinal detachment
- Congenital stationary night blindness
- Feline central retinal degeneration
- Neuronal ceroid lipofuscinosis (NCL)
- Working dog retinopathy
- Ivermectin toxicity
- Cone dysfunction
- Glaucoma
- Optic neuritis
- Achromatopsia

The RETevet device helps **animal researchers** to:

PREDICT

Predict impact of investigated agents on animal vision

FOLLOW UP

Follow up on the course of disease and treatment progress

MONITOR

Monitor treatment outcomes and side effects

Research Indications

- Gene therapy development
- Monitoring of research project progress
- Follow up on toxicity risks for pharma industry
- Detection of unwanted treatment side effects

ECVO and ISCEV compliant ERG and Pupil Reflex testing in a completely portable device

Can be used in any location and with any animal type. Battery-driven, independent from network and computer availability.

High test success rate at first attempts even with non-sedated animals. Electrodes disconnection alert.

Eye monitoring on the screen for improved quality of measurement and electrode positioning during entire test.

Good signal to noise ratio thanks to technical solutions developed with mobility in mind.

How It Works

1. Dilate the pupil (for ERG tests only).
2. Choose from 16 built-in protocols, or create custom protocols for research purposes.
3. Install electrodes according to recommendations based on animal species you're testing.
4. Follow the pupil for best electrode positioning.
5. Review results on the screen and repeat or add new protocol if necessary.
6. Transfer reports to any computer through the base with the USB cable.

RETevet™

Improve your diagnosis with the right information in hand

ADVANCED TESTING IN 17 LANGUAGES FOR ALL YOUR NEEDS

- Flicker tests
- Cone function test
- ECVO protocols
- PRA protocols
- Pupil reflex
- Research protocols
- Custom protocols for specific needs

1. Eye cup for eliminating ambient light
2. IR camera to view eye during testing
3. Immediate test results right on the device
4. Simple joystick control
5. Ergonomic to fit comfortably in hand
6. Small charging base
7. Lithium Ion battery for up to 8 hours* of use
8. Docking station offers USB connectivity

**Approximately 70 patients before recharging, depending on protocol used.*

Testimonials

I added the RETevet device to my practice because of the ease of use, portability, and ability to get repeatable test results. In my experience, LKC products have less variability in test results, making the RETevet perfect to use between my practice locations to get the same results for all our patients. I also took advantage of the fact that LKC could help me create customizable testing protocols for my practice needs, including a scotopic patient test set.

Robert J. Munger, DVM, DACVO
Animal Ophthalmology Clinic, Ltd

I enjoy the RETevet's ease of use and portability. The first time I started the device I was able to perform an ERG with no help at all from LKC. We are now performing ERG tests with RETevet in patients with no sedation at all if it is indicated or owner denies sedation.

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