## Electroretinography (ERG)

# DIEPSYS ERG

ERG provides objective, functional information about the performance of the inner retinal cells of the eye. ERG has been recognized as an effective test in helping to diagnose and manage disease including Glaucoma, Age-Related Macular Degeneration (AMD), and Diabetic Edema.<sup>1-3</sup>





ERG testing available on both the Diopsys® NOVA™ (cart) and Diopsys® ARGOS™ (tabletop) devices.

To learn more, visit www.diopsys.com/ERG

## **Objective**

- No verbal response or "button pushing" is required by the patient.
- Color-coded reports minimize subjective clinician interpretation.
- Reports and documents the results of practitioner intervention and supports medical decision making.

### **Functional**

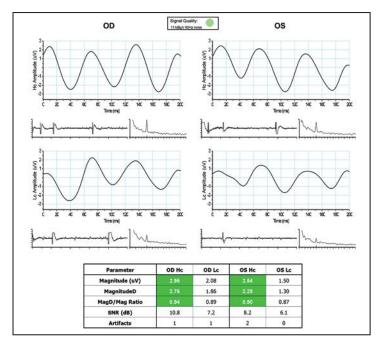
- Complements structural studies with an analysis of retinal function that is affected by disease or trauma.
- Improves sensitivity and specificity in diagnosing vison disorders when used in conjunction with other diagnostic tests.

## **Vision Testing**

- Diopsys® ERG/Contrast Sensitivity Protocol:
   Aids in the detection of diseases that affect the
   retina in a diffuse pattern like Chronic Open Angle
   Glaucoma (COAG) and Diabetic Retinopathy (DR).
   Since there is typically no specific topographic
   pattern of damage, the information collected using
   this protocol can help in detecting the depth of the
   macular dysfunction.
- Diopsys® ERG/Concentric Stimulus Fields
   Protocol: Aids in the detection of diseases affecting
   the central or paracentral area of the macula in
   specific topographic patterns like Age-Related
   Macular Degeneration (AMD), Diabetic Macular
   Edema (DME), and Toxic Maculopathies (e.g.
   Plaquenil Maculopathy).

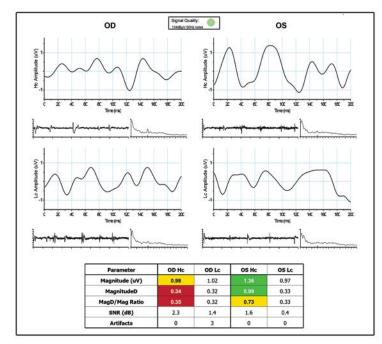
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- All measured parameters (Mag, MagD, MagD/Mag Ratio) are within normal statistical ranges (all green).
- Colorized results for statistical normals are for Hc responses only.



#### Glaucoma

- All OD Hc parameters (Mag, MagD, MagD/Mag Ratio) are borderline or out of statistical ranges.
- OS Hc MagD/Mag Ratio value is borderline.
- Colorized results for statistical normals are for Hc responses only.

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