A BREAKTHROUGH IN EARLY INSIGHT ON RETINAL DISEASE

The AdaptDx® is the first instrument to provide practical and objective measurement of dark adaptation function. Independent clinical studies, published in peer-reviewed journals, have found that dark adaptation function is dramatically impaired from the earliest stages of age-related macular degeneration (AMD), retinitis pigmentosa (RP), and other retinal diseases.

THE AdaptDx PROVIDES OPHTHALMOLOGISTS AND OPTOMETRISTS:

OBJECTIVE AND SENSITIVE MEASUREMENT

The AdaptDx provides an objective and sensitive measurement of retinal function, which is captured in a single parameter called the rod intercept. The rod intercept is the time for recovery of scotopic sensitivity (or night vision) to a benchmark level. It is a straightforward “vital sign” similar to blood pressure, temperature, or intraocular pressure.

A FUNCTIONAL MEASUREMENT THAT COMPLEMENTS EXISTING IMAGING TECHNOLOGY

The AdaptDx provides functional information that adds to the structural information obtained from fundus photography and OCT imaging. This information is particularly valuable for early assessment, as biological function is often affected before structural changes can be identified.

A SIMPLIFIED ASSESSMENT

The AdaptDx is patient-friendly, easy-to-use, and easy-to-interpret. Testing with the AdaptDx is non-invasive and fits neatly into a comprehensive eye exam, providing an objective output with no need for subjective interpretation. The experience is similar to routine perimetry for glaucoma testing.
CLINICALLY VALIDATED

The AdaptDx has been validated in numerous clinical studies involving over 1,000 patients, conducted at major research centers such as Harvard University, the National Eye Institute and University of Alabama at Birmingham. In addition, a number of pharmaceutical companies are using the AdaptDx in the development of next generation drugs for early AMD and other retinal diseases.

PRODUCT SPECIFICATIONS

- **Bleaching wavelength:** 505 nm
- **Bleaching range:** 20% to 95% effective bleach (0.01 to 6,000 scot lIx sec)
- **Stimulus wavelength:** 505 nm
- **Stimulus duration:** 100 to 300 msec
- **Stimulus size:** 2°
- **Stimulus location:** 5°, 8.5° and 12° at eight azimuthal locations
- **Stimulus maximum intensity:** 7.4 scot mlx
- **Stimulus dynamic range:** $10^5$
- **Dimensions:** 17” (H) x 23” (W) x 22” (D) / 43 cm (H) x 58 cm (W) x 56 cm (D)
- **Weight:** 46 lbs / 21 kg
- **Electrical:** 100-240 VAC / 50-60 Hz / 2.25 A

EASY TO INTERPRET

Automatic calculation and display of the rod intercept provides a simple, objective measure of dark adaptation speed.

PATIENT FRIENDLY

The test is non-invasive and requires no pre-adaptation.

TECHNICIAN FRIENDLY

The touch screen interface with patient eye display is easy to use and offers automated testing and data management.

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Typical dark adaptation curves for AMD patients.