

AdaptDx Product Specifications

Multiple studies have demonstrated that dark adaptation is a sensitive indicator of AMD. In particular, a multi-site study at Harvard, Johns Hopkins and Penn State established that dark adaptation can discriminate subjects with AMD from healthy subjects across the entire spectrum from early to advanced disease using a rapid testing protocol (≤ 6.5 -minute test time). The study compared two cohorts of elderly adults: 127 having early-to-advanced AMD and 21 having normal retinas (as determined by fundus photography grading). Diagnostic sensitivity and specificity were 90.6% and 90.5%, respectively. Additionally, the AdaptDx[®] was proven to have excellent reliability with a test-retest agreement of 94.7% between the first and second visits.¹



Product Specifications

Bleaching wavelength	505 nm
Bleaching range	20% to 95% effective bleach (0.01 to 6,000 scot lx 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	100-200 VAC 50-60 Hz 2.25 A

References

¹ Jackson GR, Scott IU, et al. Diagnostic sensitivity and specificity of dark adaptometry for detection of age-related macular degeneration. *Invest Ophthalmologist Vis Sci.* 2014;55:3:1427-31.