

DiagnosysFST®

Upgrade Module



The DiagnosysFST®, Full-field Stimulus Test, module uses the ColorDome™ or ColorFlash™ stimulator. It measures the sensitivity of the visual field by testing for the lowest luminance flash which elicits a visual sensation perceived by the subject. The test is run on either dark- or light-adapted patients for one or both eyes in an automated routine to measure a reliable threshold.

During testing, the Espion™ software, uses a proprietary probability density function to automatically determine the threshold.

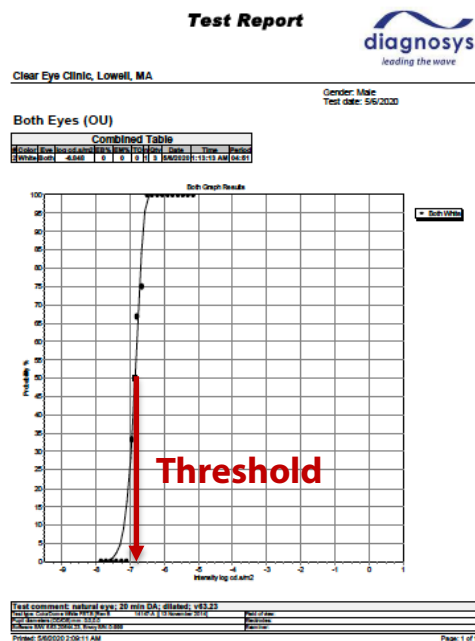
The test can be used as a primary endpoint or as a safety procedure to detect increases or decreases in light sensitivity due to gene therapies or deterioration or improvement in existing patient conditions

Features

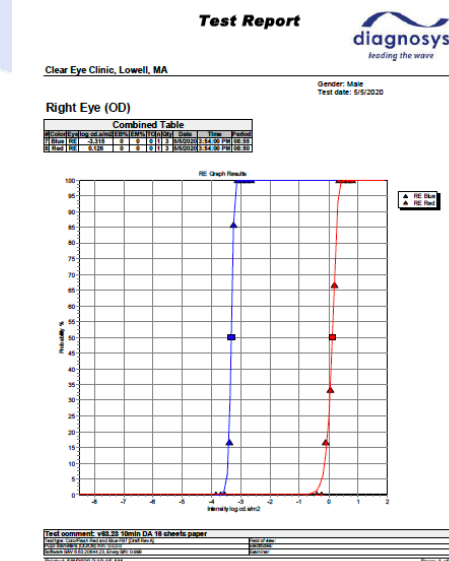
- Fast results: 2-3 minute tests
- Simple to perform
- Full or partial field dark or light adapted test
- Infrared ColorDome camera monitors patient
- Color options for flash and background: white, red, blue, green
- Wide range of proven test quality metrics
- Auto test averaging and analytics

Applications

- Gene therapy diagnostics
- Safety or primary endpoint in clinical trials
- Clinical low vision patient objective measure of vision
- RP, LCA, Stargardt disease, CSNB, Achromatopsia, Choroideremia, retinal prosthesis, others
- 15 years of clinical trial success



Dark adapted White: normal patient threshold



Dark adapted Red & Blue: Low vision patient

Software

- Proprietary probability density function threshold detection
- Ability to combine tests in single analysis plot

Hardware

- Uses the ColorDome or ColorFlash¹ stimulator
- Dual button (yes/no) box for user input
- With iMask™:
 - Defined test spots: 12° to 50°
 - Check each eye dynamically during test
 - iMask eye shields block stray light in the room



FST 2-button box

ColorDome and ColorFlash stimulator options:



ColorDome



ColorDome with iMask



ColorFlash

Full-field Stimulus Threshold module includes:

Dual button box (yes /no)

FST software license and installation instructions

FST test protocols

FST module ordering information

Model #

FST module: D196

Optional: iMask (D369)

Available as an upgrade option to any ColorDome or ColorFlash, on the following systems:

- Diagnosys E³ desktop systems or *Profile* cart-based systems (with Espion software version 6.64 or newer)

1. ColorFlash stimulus range is appropriate for FST tests on low vision patients only.

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