

Examinee Suitability



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EyeDetect only

- This presentation addresses the issue of suitability for examinees of EyeDetect tests.
- For EyeDetect+ tests, we recommend following the guidelines established by the APA.



Eat and Sleep

As with any other psychophysiological test, the examinee should rest well and eat before the test.



Maturity not Reading Skills

- Functional maturity is considered more important than age in relation to reading and comprehension skills.
- The examinee must be able to read and understand standard test questions.
- We have successfully tested examinees as young as 11 yrs. old.



Vision

- The examinee must be able to see well enough to read a computer monitor without assistance or with magnifying glasses, including readers.
- Avoid progressive lenses, if possible.



Alcohol and Drugs



Examinee under the influence of alcohol or drugs should not be tested.

Use the diagnostic tests, if needed, to determine if the examinee is suitable.

Countermeasure: Eye Drops

- Do not test anyone who has recently used a tropicamide eye drop. They cause short-term dilation of the pupil.
- The eye tracker and algorithm should determine if the pupils are reacting atypically, and the examinee will be given a “deceptive” score for using a countermeasure.



Dry Eyes

- It may be difficult to test an examinee with excessively dry eyes related to the use of antihistamine use, age, or other eye conditions.
- Lubricating eye drops should solve the problem long enough to test.



Make-up



- Sometimes, it might be difficult to calibrate the eye tracker if the examinee has excessive mascara, eyeliner or false eyelashes.
- Removing or reducing such makeup usually solves the problem.

What is measured?



EyeDetect does not measure heart rate, respiration, blood pressure, or skin conductance, and conditions that affect these physiological measurements and they do not affect EyeDetect test results.

Traumatic Brain Injury

Prior to testing, a neurologist should give pre-authorization for any examinee who has suffered a traumatic brain injury.



Conditions which should not affect suitability

- Attention deficit disorder (ADD)
- Post-traumatic stress disorder (PTSD)
- High-functioning autism or Asperger syndrome
- Mild atrial or ventricular arrhythmia or premature ventricular contraction
- Asthma or other breathing disorder
- Hyperhidrosis (excessive sweating)
- Mild anxiety
- Pregnancy
- Typical use of medications such as antidepressants
- Test takers as young as 11 have been successfully tested

Eye Diseases or Conditions

Condition	EyeDetect OK	Potential Problem	Notes
• Amblyopia		Yes	
• Astigmatism	Yes		OK with glasses
• Blepharitis		Yes	
• Blepharospasm		Yes	
• Cataracts	Possible		Depends on severity
• Allergic conjunctivitis		Yes	
• Color blindness	Yes		
• Macular degeneration		Yes	
• Entropion and Ectropion		Yes	
• Strabismus		Yes	
• Glaucoma		Yes	
• Hyperopia	Yes		OK with glasses
• Lagophthalmos	Yes		
• Nystagmus	Possible	Yes	Depends on severity
• Tearing	Yes		
• Myopia	Yes		
• Dry eye	Yes		Use lubricating drops
• Presbyopia or tired eye	Yes		OK with glasses
• Eyelid ptosis		Yes	
• Keratitis		Yes	
• Keratoconus	Yes		OK with glasses
• Diabetic retinopathy		Yes	
• Hypertensive retinopathy		Yes	
• Sjogren's syndrome	Yes		

Thanks

