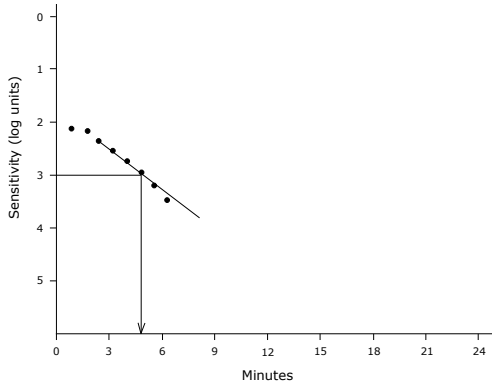


“Normal” Parameters



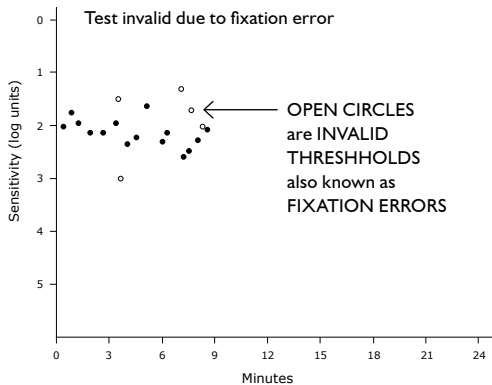
Rod Intercept is 4.65 minutes.
Fixation Error Rate is 0%.

Normal Dark Adaptation (DA): 2.5–6.5 RI

Pass (Normal DA) = RI < 6.5
& fixation rate below 30%

Fail (Abnormal DA) = RI > 6.5
& fixation rate below 30%

Fixation Error Rate vs False Positive/False Negative



What do those little open circles mean?

Fixation Error calculation =
Ratio of Black Spots (valid thresholds)
to
Ratio of Clear Spots

This is not measuring patient fixation;
these clear circles are false positives
and false negatives, most often the
result of inattention.

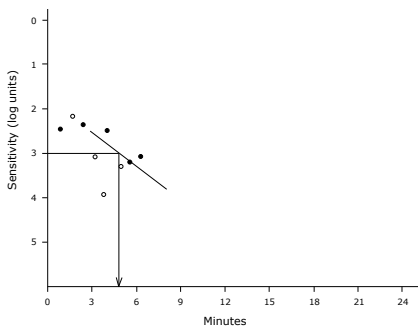
TECH TIP:

Inattentive Patient

When you see a clear spot, coach the patient — remind them to look at the red fixation light, keep chin on the chin rest and head against the head rest, press the response button only when they see a flash in their lower peripheral vision.

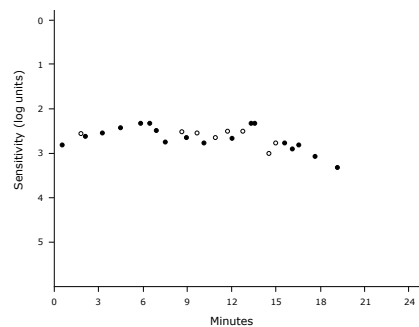
Unreliable/High Fixation Error Rate ≥ 30%

Rapid



Rod Intercept is 5.59 minutes.
WARNING: Fixation error rate: **55%**.

Extended



Rod Intercept is ≥ 20.0 minutes.
WARNING: Fixation error rate: **34%**.

TECH TIP:

Rapid High Fixation Error Rate >30% (Recommend Delete test)

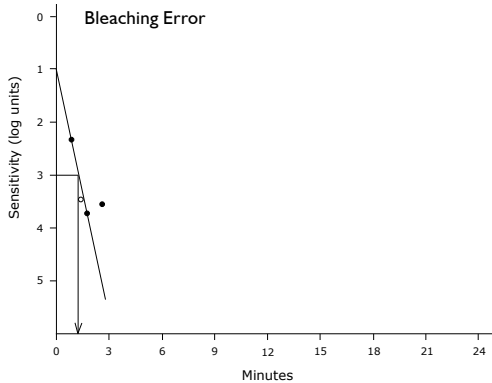
1. If patient is capable, test the other eye.
2. If patient is unable or no time to test the other eye, reschedule patient for Extended Test on the same eye in 2–3 weeks.

Extended High Fixation Error Rate >30% (Recommend Delete test)

1. Discuss with provider if patient is a good candidate for the test, if so:
2. Reschedule patient to test the same eye in 2–3 weeks.

Bleaching Error: Unreliable Test

Test Eye: Left
Test Date: 04-15-2014
Protocol: Extended Test
Pupil Size: 7.0
Spherical Correction: 7.50
Cylindrical Correction: 0.00 @ 0°



- If a patient blinks or averts gaze during bleaching, a very rapid dark adaptation curve will occur. $RI < 2.5$ minutes.
- When the AdaptDx calculates an unusually fast Rod Intercept, Bleaching Error is noted on the threshold plot and a warning message is displayed with the results.
- The AdaptDx is not broken if bleaching errors happen consistently — this is patient or user error.

TECH TIP:

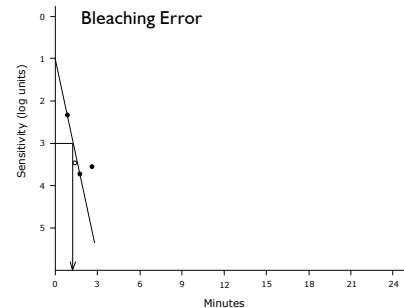
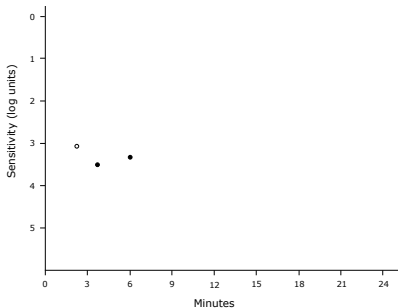
Rapid/Extended Test (Recommend Delete test)

If time allows, you can immediately test the other eye and provide clear instructions to the patient. During the bleaching “flash” moment, make sure the patient is focused on the red fixation light, keeps eyes WIDE open, and doesn't blink... hit “TEST.”

Bleaching Errors, Both Eyes: Why?

Test Eye: Right
Test Date: 06-01-2015 09:30
Age at Test: 73
Pupil Size: --
Spherical Correction: --
Cylindrical Correction: --

Test Eye: Left
Test Date: 04-15-2014
Protocol: Extended Test
Pupil Size: 7.00
Spherical Correction: 7.50
Cylindrical Correction: 0.00 @ 0°



TECH TIP:

1. Make sure you are utilizing the “Demonstration” test every time for each eye.
Coaching the patient is extremely important.
2. Wait 30 minutes to test again or reschedule testing for another day (2–3 weeks).

— TOO MUCH LIGHT IN THE ROOM WILL NOT CAUSE A BLEACHING ERROR —

Questions?

Contact our Customer Support team at 717.914.4067, option “1” or support@maculogix.com