

ACV Instructions:

1. The patient should be seated in a darkened room.
2. Set the test distance with the bead cord.
3. Occlude the left eye and instruct the patient to look at the center of the white circle with the right eye.
4. Viewed the patient through the central peephole to ascertain fixation (*see* Figure 1). At this testing distance, the stimuli, tests the central 15°.

Figure 1: Examination of a patient using the AC field tester



5. Press the blue button to randomly present from 1 to 4 of the LEDs. Because the device was automated, the examiner had no control over the number and position of the lights that are presented during each test. The patient then reported the number of lights seen (*see* Figure 2).

Figure 2: Examiner facing the patient using the ACV field tester



5. **The examiner must make sure their finger does not cover any LED lights.**
6. The examiner confirms the patient's responses based on the red diodes that lit up inside the peephole.
7. If the patient's response was correct, push the button again until 4 presentations were completed.
8. If the patient missed 1 or more of the stimuli, asks the patient to state the location of the lights seen, to ascertain which stimuli were missed for purposes of recording the responses on a recording sheet (*see* Figure 3).
9. Go to #3 and repeat the test for the other eye.
10. Missing any light presented during any of the 4 trials per eye constituted a failure.

Figure 3. The recording form for the ACV tester. Seen stimuli were circled; missed stimuli had an "x" drawn through the spot.

Eye Tested	Presentation 1	Presentation 2	Presentation 3	Presentation 4
OD	• •	• •	• •	• •
	• •	• •	• •	• •
OS	• •	• •	• •	• •
	• •	• •	• •	• •



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