

VA Testing Protocol (> 8 years old) (ETDRS)

Verify that the Optonet Vision Unit is calibrated correctly and establish the appropriate viewing distance (recommended 4 m). Leave the rooms lights on and select a VA chart.

1

Isolate the central column of letters by pressing the left arrow ← key. Ask the patient to read all the letters down the chart central column until an error is made. Use the up ↑ and down ↓ arrow keys to point each letter by showing a red line on both sides of the letter.



2

Press the left arrow ← key again and ask the patient to read the preceding row by moving the red lines upward. The patient is expected to read all letters correctly in the first row. Otherwise, have the patient read the next row up until no error is made.



3

Count the number of letters correctly identified. It is expected to be 5 letters and then press the number 5 on the keyboard. The red lines will go down one level automatically. Remember to encourage the patient to guess even if not sure of any letter.



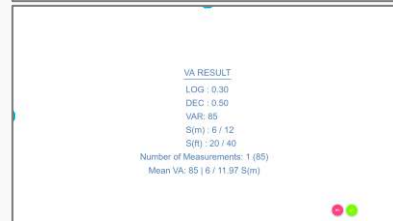
4

Then ask the patient to read the next row which will be between the red lines, count the number of letters correctly identified and press the appropriate number on the keyboard (from 0 to 5).



5

Repeat the previous step until the Optonet Vision Unit displays the VA result in various notations, i.e., when the number 1 or 0 is pressed, or when the last row is reached: VA: 6/3 (20/10).



If you wish to repeat the measurement, press the "Enter" key and the program will point directly to the row of letters where the measurement started before, to speed up the process. If you take several measurements, the program will automatically calculate the **Mean** and **Standard Deviation** values for greater accuracy.



Press "Esc" to cancel VA measurement and press "Z" anytime to change the letters distribution to prevent the patient from memorizing the letters.

Remember to monitor the patient's facial expressions and head position. The patient should avoid squinting their eyes.