

Stereo Smile Stereoacuity SCREENING Procedure



What Are You Testing?

Stereoacuity testing checks how well the child's two eyes work together.

What You Need to Do the Test:

1. 4 Stereo Smile Stereoacuity cards and a BLANK card.

Card A = Demo
Card B = 480 sec arc
Card C = 240 sec arc
Card D = 120 sec arc
BLANK Card
2. Two marks on the wall, 40 cm apart. One mark indicates the location of the child's eyes; the other mark indicates the location of the test cards.
3. One pair of Magic (Stereo) sunglasses.
4. A small hand-held mirror.
5. Chairs for the examiner and child.
6. A recording form and pen.

Getting Ready:

1. Arrange the examiner's chair in front of the child's chair so that the cards can easily be held at a 40 cm distance from the child at his/her eye level.
2. Have the child choose a pair of Magic (Stereo) sunglasses. (Children wearing glasses should not wear his/her eyeglasses; they should wear only the Magic Stereo sunglasses for this test.)
3. Hold a hand mirror so the child can admire him/herself with the glasses on to help improve behavior and testability.
4. Card A is for training purposes and to determine if the child understands the task. The smile face is easy to see even if the child's eyes are not working together.

5. It is more difficult to see the smile face on testing Cards B, C and D. The BLANK Card has no smile face visible with or without stereo glasses.

How You Do the Test:

1. The child should sit back in his/her chair, with eyes lined up with the mark on the wall.
2. Show Card A (training card) to the child. Tell the child to point to the smile face.
3. Hold Card A (training card) and the BLANK Card side by side in front of the child, even with the mark on the wall.
4. Ask the child to point to the smile face. Shuffle the cards on your lap so as to randomly change the position of the Smile so that Card A could be either to the right, left, up or down.
5. Repeat this procedure a maximum of 5 times. Randomize the position of the smile face on each trial, taking care not to present the cards in a pattern (i.e. not R, L, R, L).
6. If the child does not give at least 4 correct responses with Card A and the BLANK Card (2 errors on up to 5 presentations), stop testing and indicate "unable" on the data sheet.
7. If the child gives a correct response on 4 of 4 presentations or at least 4 of 5 presentations, replace Card A with Card B. The testing procedure then proceeds in the same manner as the training. Begin testing with Card B and the BLANK card.
8. The BLANK Card is always used throughout the procedure with one of the other cards.
9. With Card B and the BLANK Card, the child must correctly locate the smile face on at least 4 of a maximum of 5 trials.
10. If the child has trouble seeing the target, show the child the demonstration card again and remind him/her what to look for. If the child is still unable to accurately determine the location of the smile face, stop the test.
11. If the child answers incorrectly 2 times on Card B, do not continue with Card C.
12. If the child is successful on Card B, replace Card B with Card C and retest in the same manner (using Card C and the BLANK card).

13. If the child is successful on Card C, replace Card C with Card D and retest in the same manner (using Card D and the BLANK card).
14. Discontinue testing at any card where the child is unable to correctly locate the smile 4 out of a maximum of 5 presentations (2 errors on up to 5 presentations).

What You Tell the Child:

1. Say to the child: "One of these cards has a smile or happy face on it. Can you point to it?"
2. Provide instruction and encouragement to the child, as needed. Because it takes a few seconds to see the Stereo Smile, you need to encourage the child to keep looking at the cards. You can tell the child the "smile" is hiding and that they need to look hard to find it.
3. Smile stickers may be used as an incentive for the child to encourage participation.

What You Write Down:

Training:

1. If the child is unable to locate the smile face on the training card 4 times, record "**Unable.**"
2. If the child refuses to wear the Magic (Stereo) sunglasses, record "**Unable.**"

Testing/Scoring:

1. Check the last presentation with 4 correct.

Unable ()
Card A ()
Card B ()
Card C ()
Card D ()

if incomplete (i.e. if the child got 4 correct on Card A, B, or C, but did not "fail" [miss 2 out of a maximum of 5 presentations] on the next card [B, C, or D, respectively]).

Any and all use of these documents should cite the following reference: The Vision in Preschoolers Study Group. Comparison of Preschool Vision Screening Tests as Administered by Licensed Eye Care Professionals in the Vision in Preschoolers Study. Ophthalmology 2004;111:637-650.

Remember!

1. The child is unable to do the test if he/she cannot locate the face on the demonstration card on at least 4 of 5 presentations or refuses to wear the Magic (Stereo) sunglasses.
2. Hold the Blank card at exactly the same distance from the child as the other card (A, B, C or D).
3. Be sure the cards are tilted slightly backwards, but are not tilted to the left or right.
4. Show the cards no more than 5 times (4 out of 4 or 4 out of 5 to pass).