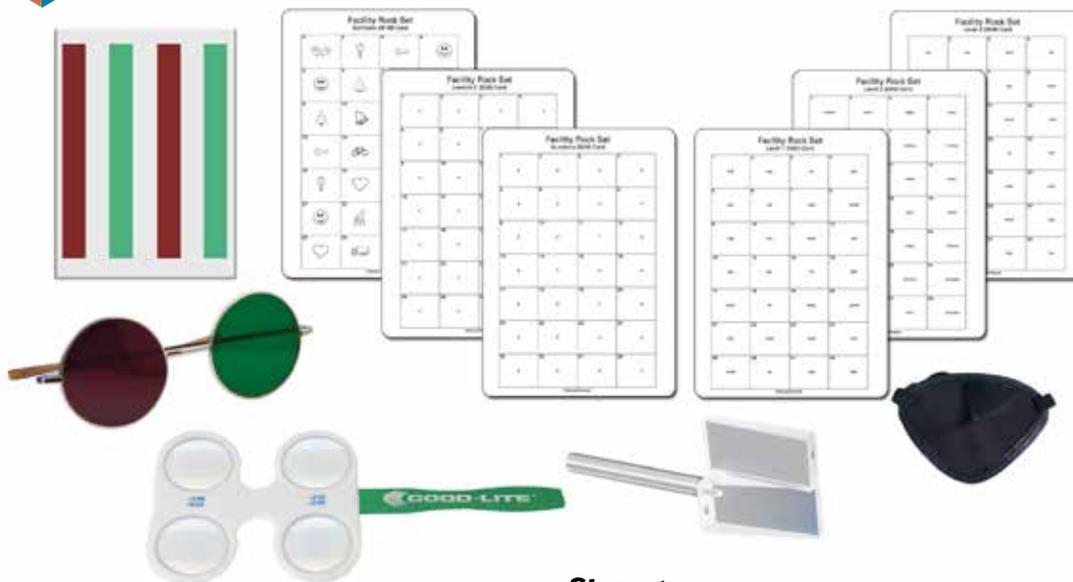


Facility Test Set Instructions

Part Number: 710400



Introduction:

The Facility Test Set provides a complete set of tools to accurately diagnose and provide therapy for accommodative and vergence abnormalities. The set covers a broad range of age groups and includes a red/green reading sheet to provide anti-suppression exercises. This product is unique in that the cards are printed on durable styrene. Each type of exercise includes 30 examples at each of two (2) acuity levels. In addition, exercises include pre-school symbols, simple Landolt C's which test for recognition of direction, basic numbers for early school age, and three levels of words to cover development throughout the school years. Finally, therapy can be accomplished monocularly, binocularly and under conditions of anti-suppression.

Contents:

Each Facility Test Set includes:

Six (6) Styrene Rock Cards - double-sided - 6.375 x 8 in. (16.19 x 20.32 cm)

- Symbols 20/160 and 20/100
- Landolt C's 20/50 and 20/40
- Numbers 20/50 and 20/40
- Level 1 Words 20/50 and 20/40
- Level 2 Words 20/50 and 20/40
- Level 3 Words 20/40 and 20/30

Facility Test Pouch

Vergence Prism 12 BO and 3 BI

Single Adult Eye Patch

Confirmation Flipper with +/- 2.00 lenses

Red/Green Reading Sheet - 7.5 x 5.5 in. (19 x 13.97 cm)

Red/Green Reversible Glasses in metal frame

Storage:

This test set should be stored in a cool dry place. Avoid exposure to sunlight for the red/green reading sheet and glasses.

Lighting Environment:

The Facility Rock test should be conducted with adequate office lighting.

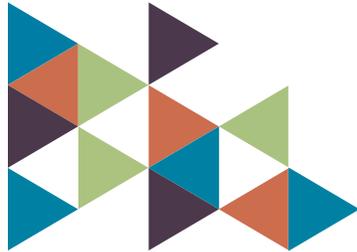
Pre-test Considerations:

Patients should wear their near vision spectacles. Normal color vision is also assumed.

Testing Procedure and Evaluation:

Accommodative Facility Testing

1. Hold appropriate reading card at 16 in. (40 cm).
2. Traditionally this is a 20/40 size print. The target must be age and cognitively appropriate.
3. If monocular, apply a patch to the opposite eye.
4. If binocular, use the red/green bar reader placed vertically over the card so the rows of colors appear over the targets. Have patient wear the red/green glasses.
 - a. The words should be able to be seen through the bars. If the patient is suppressing, one of the bars will appear black. If this is the case, the testing is over.
5. Have patient look through one side of the accommodative flipper (+/- 2.00) and then the other to ensure that they can in fact clear the target. If they cannot, note on which lens type they suppress and the test is complete.
6. The patient will flip and clear the first target. They will then flip to the opposite power and clear the next target. This cycle of flipping will occur for one minute.



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7. Count the number of targets that the patient has cleared and divide by two.
8. Note if patient has trouble clearing one side more than the other, they fatigue over time or begin to suppress.
9. Results can be compared to age-based norms.
 - a. Monocular: 6-12 years old 5.5 - 7.0 cpm (cycles per minute) +/- 2.5
 - b. Monocular: 13-30 years old 11 cpm +/-5.0
 - c. Binocular: 6-12 years old 3.0 - 5.0 cpm +/- 2.5

5. Have the patient look through one side of the accommodative flipper (+/- 2.00) and then the other to ensure that they can in fact clear the target. If they cannot, consider lowering the lens powers to +1.00/-1.00.
6. The patient will flip and clear the target. They will then flip to the opposite power and clear the next target. This cycle of flipping will occur for twenty times (40 flips).
7. The patient should strive for instantaneous target clarity.
8. With the plus side, the target will appear larger and the patient must relax accommodation. With the minus side, the target will appear smaller and the patient must stimulate accommodation.

Vergence Facility Testing

1. Hold appropriate reading card at 16 in. (40 cm).
2. Traditionally this is a 20/40 size print. The target must be age and cognitively appropriate.
2. Have the patient look through one side of the vergence flipper (12 base out/3 base in) and then the other to ensure that they can in fact see one target. If they cannot, note on which prism they cannot fuse and the test is complete.
4. The patient will flip and clear and fuse the first target. They will then flip to the opposite power and clear and fuse the next target. This cycle of flipping will occur for one minute.
5. Count the number of flips and divide by two (2).
6. Note if the patient has trouble on one side more than the other or they fatigue over time.
7. Results can be compared to age-based norms.
 - a. 15.0 cpm +/-3.0

Vergence Training

Procedure:

1. Hold appropriate reading card at the patient's traditional reading distance (see above).
2. Have the patient look through one side of the prism flipper (12 base out/3 base in) and then the other to ensure that they can in fact keep the target single and clear. If they cannot, consider lowering the lens powers on the side they find challenging.
3. The patient will flip and clear and fuse the target. They will then flip to the opposite power and clear and fuse the next target. This cycle of flipping will occur for twenty times (40 flips).
4. The patient should strive for a single clear target instantaneously.

Use in Therapy:

Accommodative Training

Procedure:

1. Hold appropriate reading card at the patient's traditional reading distance. This should be at the Harmon distance, the distance between the knuckle and elbow. It will be significantly shorter for children than adults.
2. This activity can be performed either monocularly or binocularly.
3. If monocular, apply a patch to the opposite eye.
4. If binocular, use the red/green bar reader placed over the card and have the patient wear the red/green glasses. The words should be able to be seen through the bars. If the patient is suppressing, one of the bars will appear black.

Questions for the patient:

- Do the lenses change the target in any way?
- Is one side more difficult?
- Were you conscious of your surroundings during this activity?