

ZONE QUICK from FCI OPHTHALMICS

Phenol Red Thread (PRT) Tear Test

Cotton thread treated with the pH indicator phenol red (phenolsulfonphthalein)

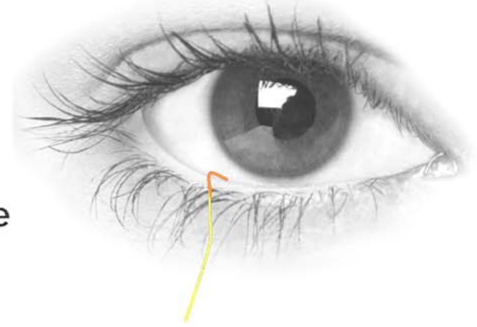


Yellow (acidic) color:

- Stability indicator
- Water absorption indicator

Contact with tear fluid:

- Light red color (basic) change
- Indicator of tear volume



Pre-Testing

The test requires no anesthesia.

If eye drops have been used, the test should be performed at least five minutes later.

This test may also be performed during contact lens wear.

Test Procedure

The eyes are tested one at a time by the following procedure:

1. The folded 3 mm end of the thread should be bent open at an angle that allows easy placement into the palpebral conjunctiva.
2. The thread is placed at a point approximately 1/3 of the distance from the lateral canthus of the lower eyelid with the eye in the primary position.
3. The lower eyelid is pulled down slightly, and the folded 3mm portion of the thread is placed on the palpebral conjunctiva at the position specified in Fig. 1.
4. Each eye is individually tested with the eyes open for 15 seconds. During the test the patient is instructed to look straight ahead and blink normally.



Fig. 1

5. When fifteen seconds have elapsed, the lower eyelid is gently pulled down, and the thread gently removed with an upward motion. Care should be taken to pull the lower eyelid down before removal to avoid any patient discomfort.
6. The entire length of the red portion of the thread is measured in millimeters from the very tip, regardless of the fold.
7. A watch may be used to time the testing.

Criteria

Wet lengths approximately 10mm or less are considered dry.

Precautions

1. Since tear volumes may vary, repeating the test total on different days will give a more accurate volume representation.
2. This test, on rare occasion, may induce a slight mechanical irritation leading to lacrimation in some patients. In such cases, it may be necessary to use another tear test in addition to this test.

Storage

Store in a dark place at room temperature.

Expiration

3 years from date of manufacture, expiration date is printed on the side of the box.

Packaging

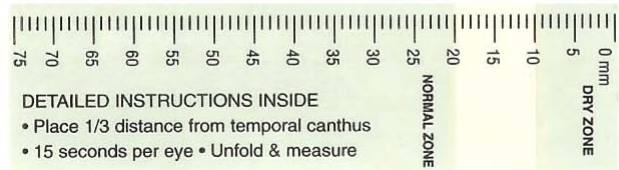
Box of 50 Sets (100 threads)

Pricing

Please call 800.932.4202

Dry Eye Zone = 0 to 10mm

Normal Zone = 20mm or Greater



FCI

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