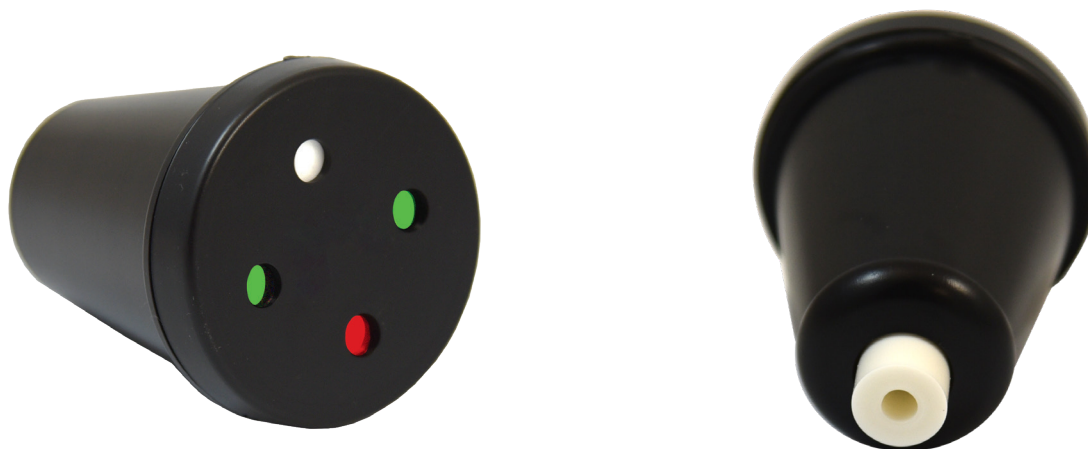




# Worth 4-Dot Attachment for Muscle Light

Part Number: 475900



**Worth 4 Dot Attachment** fits on your Welch Allyn, Heine or Keeler transilluminators using red/green goggles. Compared to conventional Worth 4 Dot Flashlights, the **Worth 4 Dot Attachment** lets you avoid cumbersome flashlight units and D Cell batteries, which can become weak or even leak and are not rechargeable. The **Worth 4 Dot Attachment** uses your own rechargeable transilluminator or muscle light attachment to assess a patient's Flat Fusional Ability.

Use your own Red/Green Anaglyph glasses or select one of ours.

## Equipment:

1. Worth 4 Dot Attachment with ophthalmoscope transilluminator adapter. Transilluminator is not included.
2. Anaglyph glasses (red/green) - **SKU# 955100**

## Procedure:

1. With the best refraction correction worn by the patient, place the Anaglyph glasses over the patient's correction, with red filter over the right eye.
2. In a slightly dimmed room, hold the Worth Test with the red dot orientated up at approximately 16in/40cm from the patient and slightly below the LOS.
3. Conduct the following monocular check first:
  - a. Cover the right eye, ask "How many dots do you see?"  
They should report 3 green.
  - b. Then cover the left eye and ask "How many dots do you see now?"  
They should report 2 red.

## 4. Next, Conduct the binocular test:

- a. With both eyes uncovered ask a third time how many dots they see. If normal flat fusion is present they should report 4.

## 5. Abnormal responses;

- a. If the patient reports only 2 red dots under binocular conditions, this indicates that they are suppressing the left eye.
  - b. If the patient reports seeing 3 green dots under binocular conditions, then they are suppressing the right eye.
  - c. If they report 5 dots, they are diplopic. The type of diplopia can then be determined by asking which side are the green dots. If the green dots are located on the right, the patient has a eso deviation; to the left, an exo deviation.
  - d. If the green dots are reported above or below the red dots then a vertical deviation exists. A report of the green dots above the red dots would be seen with a right hyper deviation.
  - e. With a report of 6 or more dots, one should question the patient's reliability.
6. The binocular view is repeated at 5 and 10 feet, then repeat all these distances under greatly reduced light as both suppression and ocular deviation can be different under varying lighting conditions.

**Note:** When removing the Worth 4 Dot Attachment, you can choose to remove the white washer or leave it in place. Hold the transilluminator firmly up near the center, then grasp the back of the attachment including or excluding the washer and separate. If the washer fits loosely on your transilluminator, simply wrap the tip of the transilluminator with tape. This will ensure a secure fit.