

# Visual Electrophysiology Unit (VEU) Services Multi-Focal Electroretinogram (mfERG)

**Time:** 1 h

**Eye-Drops:** Yes



**Please Bring:**

- Your glasses or prescription
- Sunglasses or hat
- Your health card

**During Test:**

- No contact lenses
- No cellphones or electronics

## Purpose:

The mfERG maps out how the center of your eye is working in normal lighting with a large pattern

## Procedure:

### Pre- mfERG (40 minutes)

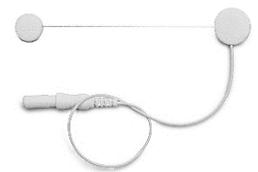
1. History, eye exam, and colour vision testing
2. 3+ drops for each eye, to open the pupils
3. 20 min wait before patient is moved to the testing room



Electrode

### mfERG Setup (5-10 minutes)

1. An electrode is taped to the center of your forehead and at the outside corner of your eyes with some gel, after cleaning with cream
2. You will be given 1 drop
3. A string-electrode is put across the eyes, with a sticker at each corner of the eye



String-electrode

### mfERG Testing (10-20 minutes)

4. You will be looking at a large screen with your head straight on a headrest.
5. The test is recorded 30s at a time
  - a. During the 30s, you have to stare at the middle of the screen without blinking while the pattern quickly changes.
  - b. When the pattern stops, you can rest until you are ready for the next 30s
6. The test only ends when there is a total of 10 minutes recorded.
7. When finished, the gel is cleaned and the patient can leave



Headrest and testing Screen

## Note:

- Keeping the head and eyes straight and not blinking is important for this test
- 1-2 people can keep the patient company during the test
- No driving after being given eye drops
- If there is more than 1 test booked in VEU, they will be done together
- Test results take time and will be sent to the referring physician in 3-6

Cancel/  
Reschedule:

**48 H**  
notice

## Visual Electrophysiology Unit

weeks

<sup>1</sup>contact lenses must be removed before testing