


# Visual Electrophysiology Unit (VEU) Services

## Electroretinogram (ERG)

**Time:** 1 h  
**Eye-Drops:** Yes 

**Please Bring:**

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

**During Test:**

- No contact lenses
- No cellphones or electronics

### Purpose:

The ERG measures how your eye is working and responds to light

### Procedure:

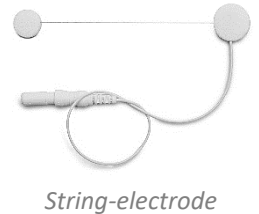
#### Pre-ERG (20 minutes)

1. History, eye exam, and colour vision testing
2. 3+ drops for each eye, to open the pupils



#### ERG Setup (25 minutes) – In the Dark

1. The patient is moved to the testing room and must sit in the dark for 20 minutes, with both eyes covered by eyepatches
2. An electrode is taped to the center of the forehead and at the outside corner of the patient's eyes with some gel, after cleaning with cream
3. There is 1 eye drop for each eye
4. A string-electrode is put across the eyes, with a sticker at each corner of the eye



#### ERG Testing (25 minutes) – 10 min in Dark, 15 in Light

1. The patient must look into a bowl during the test with their head straight
2. There will be flashes while in the dark, which are recorded and measured
3. The patient must adjust their eyes to light in the bowl for 10 minutes
4. There will be more flashes with the light on, which are recorded and measured
5. When finished, the gel is cleaned and the patient can leave



### Note:

- 1 person 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 weeks

Cancel/  
Reschedule:  
**48 H**  
notice