

Visual Electrophysiology Unit (VEU) Services Hand-Held Electroretinogram (ERG)

Time: 1 h
Eye-Drops: No

Please Bring:

- Your eye glasses or prescription
- Your health card

During Test:

- No contact lenses
- No cellphones or electronics

Purpose:

This ERG is used to quickly test how your eye is working and responds to light, without drops.

Procedure:

Pre-ERG (20 minutes)

1. History, eye exam, and colour vision testing

ERG Setup (20 minutes)

2. A sticker-electrode is placed under the eye after cleaning with cream
3. You will be sitting in the dark both eyes patched for 10-15 min before the test starts



Sticker Electrode

ERG Testing (20-40+ minutes) – 15-30 min In the Dark, 10-15 min In the Light

1. Right eye is tested first in the dark, then the Left Eye
 - a. The patient must look into a very small bowl placed over their eye
 - b. The eye must be open and flashes will only be recorded and measured if the eyes stay in the camera's view
2. The lights in the room will be turned on and the patient must readjust their eyes for 5 minutes
 - a. The right eye will be tested, then the left eye
3. When both eyes are tested, the gel is cleaned and the patient can leave



Testing with Hand-Held ERG

Note:

- This ERG is not as sensitive as the *Full-Field ERG*
- This ERG is extremely sensitive to eye and face movement – good cooperation is needed for this machine
- 1-2 people can keep the patient company during the test
- 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