

# Site Safety Information

TRIUMF is committed to safety. The TRIUMF tour route is designed to be safe for adult members of the general public and does not require any personal protective equipment. However, TRIUMF is a working physics laboratory, there are several safety considerations to be aware of when on site.

Below, we have outlined important safety information *every guest* must review before and observe during their visit to the lab.

**Please note: TRIUMF reserves the right to restrict participation on tours at any time.**

---

## Before visiting TRIUMF

### Footwear

To protect personnel and guests moving through the TRIUMF site, closed-toe shoes with low heels are required footwear on the tour route and in non-office areas within the TRIUMF perimeter fence. These areas contain potential hazards such as equipment and objects with sharp corners, material from construction work, as well as metal stairs that necessitate appropriate footwear.

### Attire

As the tour route involves walking over grated floors and stairs, it is highly recommended that guests wear long pants.

### Bags

Large bags/knapsacks are not permitted on the tour route. TRIUMF does have a small number of personal lockers for guests to lock-and-leave items in while on tour.

### Food and Drinks

Absolutely no food or drinks (including water) allowed on the tour. We recommend that you eat and hydrate prior to visiting the facility. You are more than welcome to grab a bite in TRIUMF's cafeteria.

### Cameras

Cameras are welcome. However, large equipment is prohibited since the tour group will be navigating narrow spaces as we move through the facility.

### Pre-check #1: Implanted Medical Devices

Our particle accelerators can produce very strong magnetic fields. As a result, guests with any implanted medical devices may be at risk as these devices may function erratically even in relatively weak magnetic fields. Implanted medical devices that could potentially be affected by magnetic fields on the TRIUMF tour route include, but are not limited to:

- Pacemakers
- Cochlear implants
- Implantable, cardioverter defibrillators (ICDs)
- Neurostimulators
- Infusion pumps
- Intracranial aneurysm clips

Prior to visiting TRIUMF, all guests with an implanted medical device should visit their doctor to obtain documentation on the magnetic and electric field sensitivity of their device. If in doubt, guests with any type of implanted medical device should notify their TRIUMF host upon arrival at the laboratory and avoid tour areas with measured magnetic fields above background levels.

NOTE: Intrauterine devices (IUDs) and large medical implants such as hip replacements will not be affected by the magnetic fields on the TRIUMF tour route, nor will credit cards or any consumer electronic equipment.

### **Pre-check #2: Nuclear medicine scans**

Any guest who has had a nuclear medicine scan (PET scan; SPECT scan) must notify their tour guide before departure. Our radiation monitors are very sensitive, and the diagnostic substances used in nuclear medicine scans may mistakenly trip an alarm. Guests who have had scans are still welcome – we just need to know in advance.

### **Children**

Guests must ensure that each child under 12 years of age remains under the close supervision of a responsible adult. Large groups of children (such as school classes) with few adult supervisors are limited to children aged 12+ years. For each tour group with children under the age of 12, there must be a minimum of one adult supervisor present (in addition to the TRIUMF tour guide).

### **Suggested adult to child ratios for groups:**

0-6 years: 1:1

7-11 years: 1:5

12+ years: 1:15

---

## **On the TRIUMF tour**

### **Signing In**

Safety regulations require that we keep track of everyone who enters the TRIUMF site. Upon arriving at the laboratory, please sign in at Reception as instructed by your TRIUMF host. If you are with a group, please arrive prepared with a list of all group members joining the tour.

### **Waiting for your Tour to Begin**

While waiting for your tour to start, please be considerate of the TRIUMF staff working in the surrounding area. We ask guests not to wander and to help keep the noise level to a minimum.

### **Washrooms**

Be sure to use washrooms before the start of the tour, as there are limited washrooms available on the tour route. Further, the group must wait for any person using the bathroom while on the tour.

### **On the TRIUMF Tour**

At all times throughout the duration of the tour, guests must stay together with their TRIUMF guide. Feel free to take photos, ask questions, and interact with the public outreach materials (QR codes, displays, hands-on demos, etc.) but please do not touch or move anything that isn't part of the public tour.

---

### **Tour Contact:**

For public tours: [discoverourlab@triumf.ca](mailto:discoverourlab@triumf.ca)

For education tours: [education@triumf.ca](mailto:education@triumf.ca)