

1. Wear protective eyewear at all times; selection depends on the wavelength and intensity of the radiation, the conditions of use, and the visual function required. Please see the equipment pages for the location and specifications of safety goggles relevant to your instrumentation. Consult the ANSI or ACGIH standards listed at the end of this section for guidance.
2. Maintain a high ambient light level in the laser operation area. This keeps the eye's pupil constricted, thus reducing the possibility of eye damage.
3. Avoid looking at the output beam; even diffuse reflections are hazardous.
4. Avoid wearing jewelry or other objects that may reflect or scatter the beam while using the laser.
5. Use an infrared detector or energy detector (IR viewer) to verify that the laser beam is off before working in front of the laser.
6. Operate the laser at the lowest beam intensity possible, given the requirements of the application.
7. Expand the beam whenever possible to reduce beam power density.
8. Avoid blocking the output beam or its reflection with any part of your body.
9. Establish a controlled access area for laser operation. Limit access to those trained in the principles of laser safety.