



## ICCB-L Screening Facility Laser Safety

- Some instruments at ICCB-Longwood have lasers. All are class 1 laser products. These include:
  - IntelliCyt iQue ScreenerPLUS, class 1 laser product
  - Molecular Devices IXM-C and IXM-C LZR, class 1 laser product
  - Perkin Elmer EnVision 2, class 1 laser product
  - ttp Acumen ex3, class 1 laser product
- All lasers are dangerous.
- Class 3 and class 4 lasers are very DANGEROUS.
- Exposure to class 3 and 4 laser light can:
  - Burn skin
  - Permanently damage the eye
- Read all warning labels and do not remove labels.
- All of the instruments mentioned above operate in a fully enclosed chamber that will not allow laser light to escape under normal working conditions. Only trained, manufacturer-provided service engineers can open these chambers. Instruments are not available to users during service visits.
- In the event that an instrument must be opened, most panel openings are equipped with Safety Interlocks that will automatically disable the laser in case they are opened. If the IXM-C LZR needs to be opened, you must TURN OFF the laser (turn key to 'off' position) prior to opening the instrument.
- DO NOT disable the safety interlocks.
- While it is never an area of the IXM-C LZR that users will access, please be aware there is no safety interlock when opening the top panel to access the imaging chamber from above. There is a large warning label on the instrument to indicate this. This access point is only for Molecular Devices service engineers. DO NOT OPEN THIS PANEL.
- DO NOT leave reflective objects in the beam's path
- If you encounter any error message when operating IXM-C LZR, take a picture and contact the ICCB-L screening room team prior to proceeding.
- If you have any questions about the use of any of these instruments following your training, please contact the ICCB-L screening room team prior to proceeding.
- The screening room team can be contacted via their email: [iccb\\_screen@hms.harvard.edu](mailto:iccb_screen@hms.harvard.edu)

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