

Liquid Nitrogen Safety

- Cryogenic Fluid: boils at $-196\text{ }^{\circ}\text{C}$ (77 K)
- Can cause cold “burns”
- Can condense and/or displace oxygen from air
- Use to:
 - Cool MCT detectors for FTIR
 - Freeze samples before lyophilization
 - Store cells



Safety Precautions for Liquid Nitrogen

- Store in liquid nitrogen dewars
- Use containers with vented lids or pressure relief valves
- Cryogenic gloves
- Avoid confined spaces

