The isoflurane exposure limit is below the human odor detection threshold. If you can smell the anesthetic, the exposure level is too high.

Required PPE:
- Safety glasses or goggles
- Chemical-resistant gloves
- Lab coat

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**Isoflurane exposure occurs:**
- While filling the anesthesia machine
- While administering the anesthetic
- When waste anesthetic gases (WAGs) escape

**To avoid exposure:**
- Inspect the anesthesia machine before each use. Check for cracks in hoses or other damage.
- Read and follow the Safety Data Sheet and your lab-specific Standard Operating Procedure.
- Open isoflurane stock bottles in the chemical fume hood and use an anti-spill or key fill adaptor when filling the vaporizer.

**Acute Health Effects**
- Headache, irritability, dizziness, fatigue, impaired judgment or coordination
- Nausea, vomiting

**Chronic Health Effects**
- Liver disease
- Kidney disease
- Adverse reproductive effects

**Exposure during pregnancy is not recommended and may pose risks.**

**Waste Disposal**
- Gloves used to fill the vaporizer or for spill clean-up must be disposed as chemical waste.
- Keep isoflurane-soaked materials (cotton/gauze, disposable gloves) in properly labeled waste containers in the chemical fume hood until the waste is picked up.
- Submit a Hazardous Waste Pickup Request to dispose of empty isoflurane bottles or other contaminated waste.