

Anesthesia Setup (IVIS Spectrum)

Anesthesia Startup

1. Fill vaporizer with isoflurane (1).
2. Turn on Oxygen tank.
3. Turn on Vacuum Pump Master Switch (2).
4. Ensure O₂-Master Switch (3) is on.
5. Ensure that Exhaust Control A (4) is on and set to 1000 cc/min.

Mouse Induction

1. Turn on induction flow (5). Use 500 cc/min for 1 mouse and 1000 cc/min for 2 or more mice.

Do not use the flow valves located at the bottom of anesthesia setup (6)

2. Set vaporizer dial (7) to ~3.5%.
3. Insert mouse or mice into induction chamber until immobilized.



IVIS anesthesia system with isoflurane vaporizer

Imaging

1. Turn on imaging flow (8).
2. Transfer mouse or mice from induction chamber to imaging nose cone in IVIS imaging chamber.
3. Reduce vaporizer setting to ~1.5% (for mice) or ~2% (for rats).
4. Image.
5. When done, return mouse or mice to cage and turn off imaging flow.

Shut Down

1. Turn vaporizer dial to *off* position.
2. Turn off oxygen tank.
3. Turn on **both pre-set flows** (Imaging and Induction) to release pressure.
4. Wait until System Pressure (9) goes down to 0, then turn off both pre-set flows.
5. Turn off Vacuum Pump Master Switch.