

Connecting the XIC-3 isolator chamber to the IVIS Spectrum

Tubes are labeled with capital letters; the connectors are either Luer-type or endotracheal tube adapters (the smaller tube is simply pushed inside the larger).

Preparing the IVIS Spectrum

1. Make sure that the anesthetic gas supply is off.
2. Open the imaging chamber of the IVIS Spectrum, and remove the manifold by disconnecting the two Luer connectors at the rear left of the imaging chamber. Set aside the manifold.
3. Connect the male Luer connector of *Tubing A* to the female Luer connector (Gas, toward the rear of the chamber).
4. Connect the female Luer connector of *Tubing B* to the male Luer connector (Exhaust, toward the front of the chamber).
5. Break the connection between *Tubing C* and *Tubing D*.
6. Connect *Tubing C* to *Tubing E*.

Connecting XIC-3 directly to the anesthesia machine (XIG-8)

1. Make sure that the anesthetic gas supply is off.
2. Disconnect *Tubing F* from *Tubing G* (gas supply-exhaust lines from XIG-8) and *Tubing H* from *Tubing I* (gas supply-exhaust lines attached to XIC-3).
3. Connect *Tubing F* (gas supply line from XIG-8) to *Tubing H* (gas-in line attached to XIC-3) and *Tubing G* (gas exhaust line to XIG-8) to *Tubing I* (gas out line from XIC-3).
4. Reverse to disconnect.

Connecting XIC-3 to the anesthetic gas supply in the IVIS Spectrum

1. Make Sure that the anesthetic gas supply is off.
2. Connect *Tubing H* (gas-in line attached to XIC-3) to *Tubing A* (Gas in IVIS).
3. Connect *Tubing I* (gas out line from XIC-3) to *Tubing B* (Exhaust in IVIS).
4. Reverse to disconnect.

Connecting the manifold to the IVIS Spectrum

Preparing the IVIS Spectrum

1. Make sure that the anesthetic gas supply is off.
2. Open the imaging chamber of the IVIS Spectrum, and remove *Tubing A* and *Tubing B* by disconnecting the two Luer connectors at the rear left of the imaging chamber. Set aside *Tubing A and B*.
3. Place the manifold into the imaging chamber such that the attached tubing is on your left and the holes for the nose cones face toward you.
4. Connect the male Luer connector to the female Luer connector (Gas, toward the rear of the chamber).
5. Connect the female Luer connector of *Tubing B* to the male Luer connector (Exhaust, toward the front of the chamber).
6. Break the connection between *Tubing C* and *Tubing E*.
7. Connect *Tubing C* to *Tubing D*.