

Quick Reference Protocol for the XGI-8 Anesthesia System.



1. Weigh the F-air Canisters (located on the top of the XGI-8)
2. Turn on the evacuation pump (1). The flow meter should read > 6 lpm
3. Slowly open the valve on the oxygen regulator.
4. Turn on the gas flow switch on the front of the IVIS Spectrum
5. Turn the green oxygen handle (2) to ON
6. Make sure the vaporizer dial (3) is set at 0%
7. Turn ON the “IVIS Flow on/off” toggle (4) and adjust the flow rate to 0.25 lpm
8. Turn ON the “Chamber on/off” toggle (5) and adjust the flow rate to 1.5 lpm
9. Turn OFF the “IVIS Flow on/off” toggle (4)
10. Turn the dial on the vaporizer (3) and adjust the isoflurane concentration to 2.5%
11. Place the animal(s) in the induction chamber (6) and wait until they reach the appropriate level of anesthesia.
12. Turn ON the “IVIS Flow on/off” toggle (4)
13. Transfer the animals to the imaging chamber and position their noses at the nose cones. Observe the mice for about 1 minute before closing the door.
14. Turn OFF the flow of gas to the induction chamber (5).
15. When finished imaging, turn the vaporizer dial (3) to zero, turn off the oxygen supply at the regulator, turn ON both switches (4 and 5), and wait until the flow meters read zero i.e. no flow
16. Turn OFF all switches (4, 5, and 2), and the evacuation pump (1).
17. Turn OFF the gas flow switch on the front of the IVIS Spectrum
18. Clean the IVIS Spectrum and the induction chamber.
19. Weigh the F-Air canisters