



# XGI-8 Gas Anesthesia System



XGI-8 Gas Anesthesia System featured with the IVIS® 200 Series



## Components

- Gas Anesthesia Module
- Isoflurane-absorbing charcoal filters
- Induction Chamber
- 5-Port Anesthesia Manifold for mice and rats
- 2-Port Anesthesia Manifold for rats

The XGI-8 Gas Anesthesia System delivers and actively scavenges gas during the imaging process. Mice or rats are anesthetized in the induction chamber prior to imaging. Gas flow to the IVIS® System imaging chamber is maintained with a 5-port or 2-port anesthesia manifold.

The Xenogen XGI-8 Gas Anesthesia System is designed to work with the IVIS® Imaging System, a technology from Xenogen that allows researchers to use real-time in vivo imaging to monitor and record cellular and genetic activity within a living organism.

The Gas Anesthesia Module successfully integrates efficient gas delivery while minimizing excess gas exposure to lab personnel in a single system. This system delivers isoflurane gas to a 5-port anesthesia manifold housed in the IVIS® System Imaging Chamber. The manifold safely anesthetizes up to 5 adult mice or 2 rats simultaneously.

The manifold also provides waste gas scavenging ports to help prevent gas from entering the surrounding work environment. Opening the lid to the induction chamber automatically triggers a built-in vacuum system that helps ventilate waste gas away from researchers and into disposable isoflurane-absorbing charcoal filters, or a house air exhaust system.

This system allows researchers independent control and monitoring of isoflurane gas to the induction chamber and to the subjects in the imaging chamber. This permits proper dosing at all times.

## Contact Information

Please call 1.877.936.6436 or  
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5-Port Anesthesia Manifold for mice includes light baffle dividers and transparent nose cones. Used within the IVIS<sup>®</sup> System imaging chamber. A 2-Port Anesthesia Manifold is available for rats.

**Gas Anesthesia Module\***

- Uses isoflurane gas – independent flow control permits proper gas delivery
- Isoflurane vaporizer
- Provides gas to induction chamber and IVIS<sup>®</sup> System imaging chamber
- Isoflurane-absorbing disposable charcoal filters absorb excess gas, as well as limit gas escaping into the surrounding laboratory environment
- Large sight-glass monitors available isoflurane supply
- One year limited warranty

**Induction Chamber\***

- Anesthetizes up to 5 adult mice or 2 rats simultaneously
- Ventilates excess gas automatically when lid is opened
- Raised animal floor maintains animal cleanliness during anesthetization

\* Patent pending

**5-Port and 2-Port Anesthesia Manifolds**

- Works within the IVIS<sup>®</sup> Series imaging chamber
- A 5-port version delivers gas to up to 5 adult mice or 2 rats; a 2-port version is available for rats
- Ventilates waste gas from within the IVIS<sup>®</sup> System imaging chamber
- Matte black, non-glow construction protects data integrity
- Autoclave safe
- Transparent anesthesia manifold nose cones maintain proper animal positioning and ensure targeted gas delivery during imaging
- Black rubber stoppers seal gas anesthesia manifold ports not used during anesthetization
- Light baffles available to maintain integrity of light signal data per animal imaged

XGI-8 System Component	Specifications
Anesthetic Gas	Isoflurane
Oxygen Requirements	55 psig (+10/- 20 psig)
Evacuation Pump	> 6.0 lpm
Gas Flow (Manifold)	0.0 – 2.0 lpm
Gas Flow (Induction Chamber)	0.0 – 5.0 lpm
Vaporizer Concentration	0.0 – 5%
Operating Temperature	59° F –95° F (15° C –35° C)
Humidity	0% to 95% non-condensing
Power Requirements	100 VAC 50/60 Hz or 230 VAC 50Hz
Current	2 Amp @ 120VAC, 1 Amp @ 230VAC
Weight (System)	65 lbs. (29.5 kg)
Weight (Induction Chamber)	8 lbs. (3.6 kg)
Dimensions – System (W x D x H)	33 x 30.5 x 68.6 cm, 13 x 12 x 27 in
Dimensions (Induction Chamber) (W x D x H)	30.5 x 15.2 x 17.8 cm, 12 x 6 x 7 in
Environmental	OSHA recommends use in room with 25 or more room air changes per hour (non recirculating)



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