XGI-8 Gas Anesthesia System

PRODUCT NOTE

Pre-clinical *in vivo* imaging

The XGI-8 Gas Anesthesia System delivers and then minimizes exposure to excess gas during the imaging process. Mice or rats are anesthesized in the induction chamber prior to imaging. Gas flow to the IVIS System imaging chamber is maintained with an anesthesia manifold.

Gas Anesthesia System for IVIS Imaging Platform

PerkinElmer's XGI-8 Gas Anesthesia System is designed to work with IVIS Imaging Systems and 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 into a single system. The Gas Anesthesia 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.

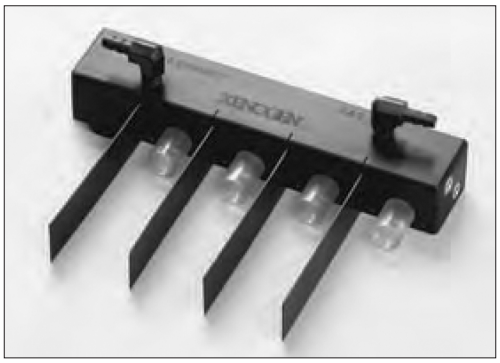
This system allows researchers independent control and monitoring of isoflurane gas to the induction chamber and to the subjects in the imaging chamber. This permits proper dosing at all times.

Components

- Gas Anesthesia Module
- Isoflurane-absorbing charcoal filters
- Induction Chamber
- Supplies Isoflurane to anesthesia manifold supplied with an IVIS

PerkinElmer®
For the Better

XGI-8 Gas Anesthesia System is featured as part of the IVIS Imaging System complete workstation.



Anesthesia Manifold, light baffle dividers, and transparent nose cones. Used within the IVIS System imaging chamber.

XGI-8 Gas Anesthesia System Components

Gas Anesthesia Module

- Uses isoflurane gas – independent flow control permits proper gas delivery
- Key filled Isoflurane vaporizer for improved safety
- Provides gas to induction chamber and the IVIS 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

Anesthesia Manifold

- Works within the IVIS System imaging chamber
- Delivers gas to up to 5 adult mice or 2 rats
- Ventilates waste gas from within the IVIS System imaging chamber
- Matte black, non-glow construction protects data integrity
- Cleanable by standard disinfectants
- Transparent anesthesia manifold nose cones maintain proper animal positioning and ensure targeted gas delivery during imaging
- Black port plugs 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 Components	Specifications
Anesthetic Gas	Isoflurane
Oxygen Requirements	35 psig (241 kPA) to 65 psig (448 kPA). Nominal 50 psig (345 kPA)
Evacuation Pump	>6.0 lpm
Gas Flow (Manifold)	0.0–2.0 lpm
Gas Flow (Induction Chamber)	0.0–5.0 pm
Vaporizer Concentration	0.0–5%
Operating Temperature	59 ˚F – 95 ˚F (15 ˚C – 35 ˚C)
Humidity	0% to 95% non-condensing
Power Requirements	120 VAC 60 Hz or 230 VAC 50 Hz or 100 V (Japan)
Current	2 Amp @ 120 VAC, 1 Amp @ 230 VAC
Weight (System)	65 lbs (29.5 kg)
Weight (Induction Chamber)	8 lbs (3.6 kg)
Dimensions (System)	Depth 12" (30.5 cm) Width 13" (33.0 cm) Height 27" (68.6 cm)
Dimensions (Induction Chamber)	Weight 8 lbs (3.6 kg) Depth 6" (15.2 cm) Width 12" (30.5 cm) Height 7" (17.8 cm)
Environmental	Use only in a room with 25 or more room air changes per hour (non recirculating)

For more information, please visit our website at www.perkinelmer.com/invivo

PerkinElmer, Inc.
940 Winter Street
Waltham, MA 02451 USA
P: (800) 762-4000 or
(+1) 203-925-4602
www.perkinelmer.com

PerkinElmer®

For a complete listing of our global offices, visit www.perkinelmer.com/ContactUs

010795_01