

The SomnoFlo is a compact, stand alone unit that delivers only the precise anesthetic required by the animal according to its weight with flows down to 100mL/min. Its built-in, automated anesthetic delivery system dispenses, refills, and empties the anesthetic when the procedure is done.

Just connect your anesthetic bottle directly to SomnoFlo and the system automatically primes, ready for your procedure.



**Kent Scientific**  
CORPORATION

*„Our SomnoFlo set up was easy and the digital functions of the vaporizer are a huge plus.“*

**Lab Director**

*„SomnoFlo menus are easy to use & understand. I very much like that there are only 2-3 buttons necessary for general use.“*

**University Post Doc**



### Why low-flow anesthesia?

Unlike traditional vaporizers, Kent Scientific low-flow vaporizers are engineered with solid state electronics and an integrated electronic vaporizer which uses either ambient air or compressed gas to deliver isoflurane or sevoflurane anesthetic at low flow rates proportionate to the animal's size. This advanced design eliminates the need for annual certification that is required by traditional wick-design vaporizers. Using less anesthesia benefits the animal during procedures, and significantly reduces exposure of lab personnel to WAG while generating impressive cost savings.

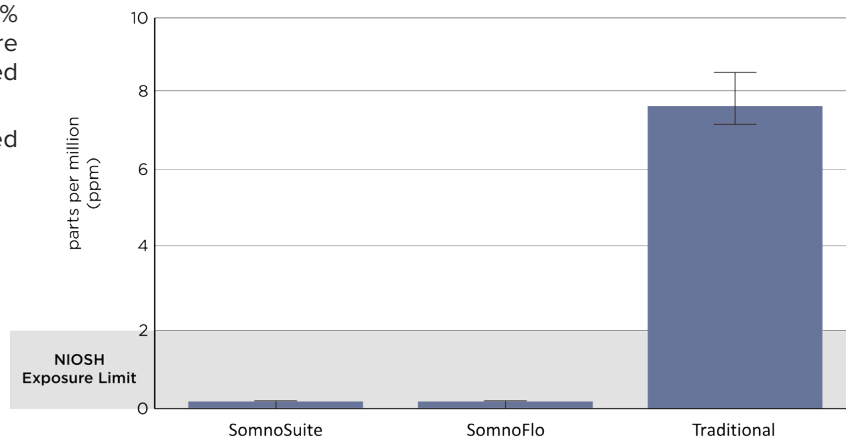
### Compare Kent Scientific anesthesia systems with traditional systems

Personal dosimeter badges were worn during anesthesia via face mask at 2.5% isoflurane for 30 minutes. Vaporizers were operated at manufacturer recommended flow rate settings.

SomnoSuite™: 27±2 mL/min (as determined by animal body weight);  
SomnoFlo™: 100 mL/min;  
Traditional Vaporizer: 500 mL/min.

- SomnoSuite and SomnoFlo resulted in undetectable exposure — below minimum dosimeter limits (n=3)
- Traditional vaporizer resulted in exposure levels above NIOSH guidelines (n=3)

#### Waste gas exposure results



**Ambient air, less wasted gas,  
no calibration**

**ANIMA LAB**

### FEATURES & BENEFITS OF LOW-FLOW ANESTHESIA

- Saves money by using less than 1 mL/hr of isoflurane
- Built-in air compressor
- Uses room air or compressed gas
- Automated anesthetic delivery system **directly from the bottle**
- Ensures precision to 0.1% delivery of anesthetic
- No annual calibration or certification
- Provides for reproducible and uninterrupted studies



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*Kent Scientific low-flow electronic vaporizers are used in the world's leading pharmaceutical and academic laboratories to further advance training and research in a host of fields, including COVID-19 related research.*

### Connect SomnoFlo® with starter kits

#### MOUSE KIT INCLUDES



- Low profile anesthesia mask set, small with 18" inspiration/expiration tubing and connectors
- 0.5 l sliding top induction chamber with 32" inlet/outlet tubing and connectors
- 18" multi-animal / 3-accessory connector
- 2-pack of waste anesthesia gas canisters

#### RAT KIT INCLUDES



- Low profile anesthesia mask set, medium with 18" inspiration/expiration tubing and connectors
- Low profile anesthesia mask sets, large with 18" inspiration/expiration tubing and connectors
- 3 l sliding top induction chamber with 32" inlet/outlet tubing and connectors
- 18" multi-animal / 3-accessory connector
- 2-pack of waste anesthesia gas canisters