SomnoSuite®
Low Flow Anesthesia System for Mice and Rats

Miguel A. Torres, MVZ, LAT
Laurie Long, LATG
Marcel Perret Gentil, DVM, MS
SomnoSuite®

Low Flow Anesthesia System for Mice and Rats
The following slides highlight the SomnoSuite capabilities.
Supply savings

**SomnoSuite**

**How much is enough?**

<table>
<thead>
<tr>
<th></th>
<th>SomnoSuite®</th>
<th>Traditional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety</td>
<td>Safe for you</td>
<td>Safe for your animals</td>
</tr>
<tr>
<td>Savings</td>
<td>38</td>
<td>36</td>
</tr>
<tr>
<td>Less isoflurane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less waste anesthetic gases</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Increased Safety

Dosimeter badges were worn during anesthesia mask-maintained anesthesia at 2.5% isoflurane for 30 minutes. Vaporizers were used at manufacturer recommended flow rate settings and the same accessories were used for all trials. All procedures using the SomnoSuite resulted in undetectable exposure below minimum dosimeter limits (n=3). All traditional vaporizer trials resulted in exposure levels above NIOSH guidelines (n=3).
SomnoSuite

Ease of use

- Syringe Pusher Block
- Syringe Holding Clamp
- Isoflurane or Sevoflurane Syringe
- Syringe Lock
- Anesthetic Delivery Line
- Anesthetic Concentration Knob
- Touch Display
- Control Dials
- Temperature Pad & Animal
- Expiratory Port
- Inspiratory Port
- Digital Vaporizer with Gas-Warming Element
SomnoSuite
SomnoSuite

Pad Power

Pad sensor (taped under animal)

Rectal sensor/probe

Pad and Body Temperature Sensors Connected to SomnoSuite

Homeostasis

LARC Training Courses
SomnoSuite

Built-in Air Compressor:
• Uses room air or compressed gas

Note: Room air for short procedures only
SomnoSuite

Why?

Digital Vaporizer

Built-In Air Compressor

Save Isoflurane or Sevoflurane

Touch Screen Control

Digital Control for Precise Delivery

No Calibration Needed

Compact System - Easily Integrates Into Stereotaxic Setups

Minimum Waste Gas Exposure

Real-Time Recordings

Why?

SomnoSuite®
Low Flow Anesthesia System for Mice and Rats
Interested in training on the SomnoSuite? Contact us at larc@utsa.edu