UTSA The University of Texas at San Antonio™

LARC Training Courses

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
SomnoSuite
Small Animal Anesthesia System
SpO2 98 %
Perfusion 0.57%
% Anest 1.5 %
Set Min Vol 150 ml/min
Meas RR 101 bpm
Vol Anest 0.21 ml
MIN
MAX
INSP
EXP
A
B
Rotate
Browse
Press
Select
RightTemp
Kent Scientific
CORPORATION

UTSA The University of Texas at San Antonio™

LARC Training Courses

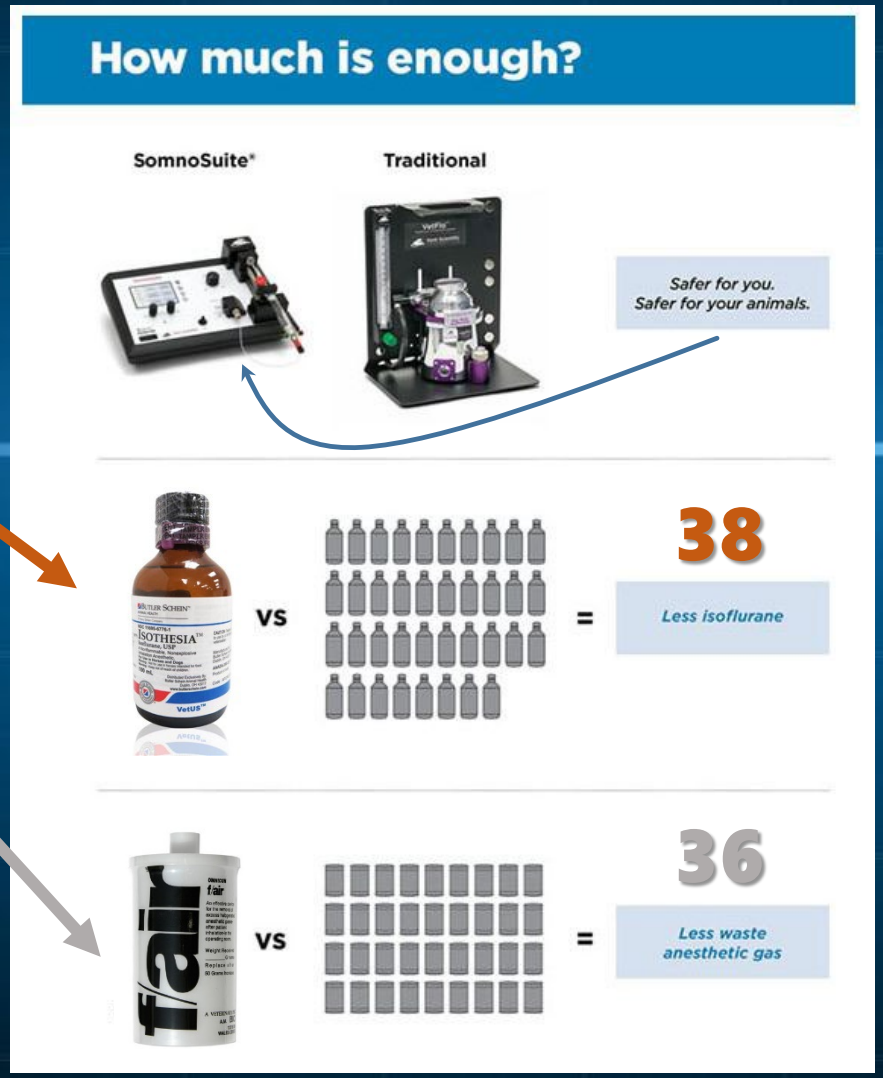
SomnoSuite

VS

The following slides highlight the SomnoSuite capabilities

SomnoSuite

Supply savings

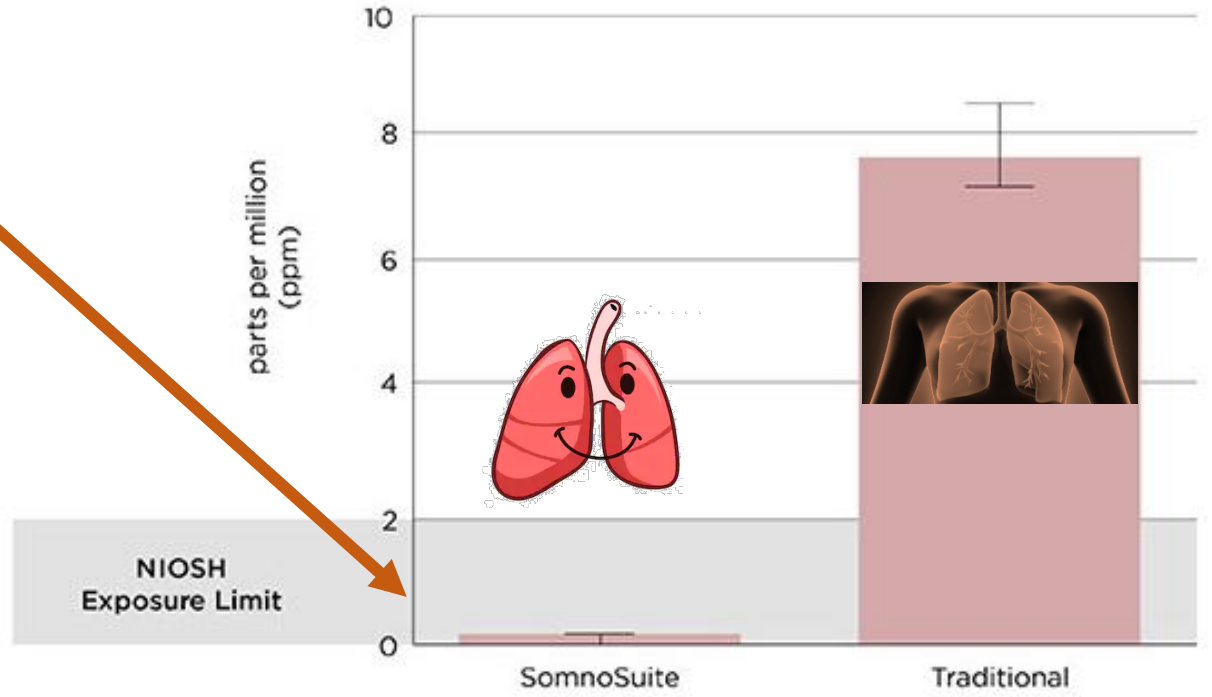


SomnoSuite

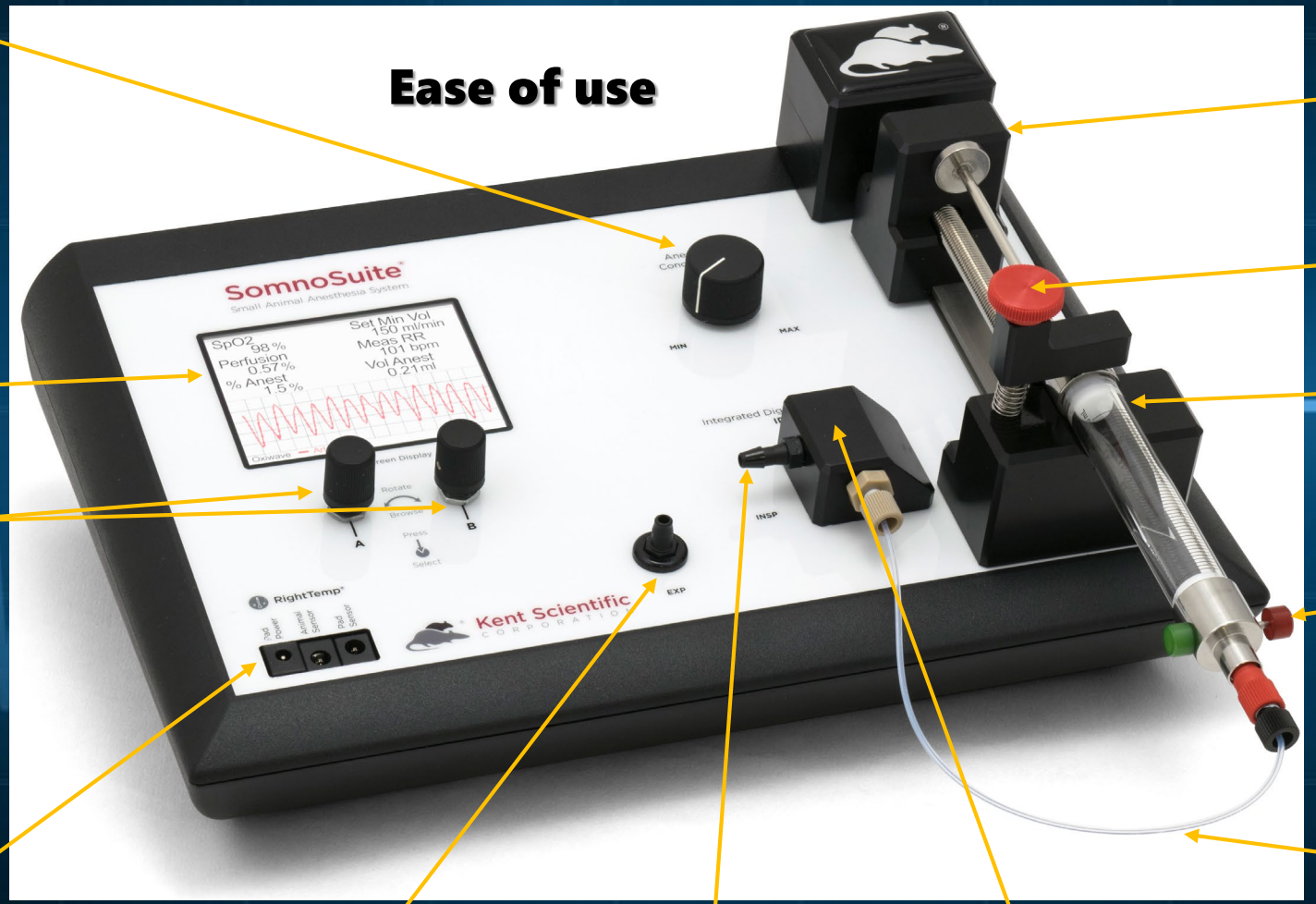
Increased Safety

Waste Gas Exposure Results

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



Anesthetic Concentration Knob

Ease of use

Syringe Pusher Block

Syringe Holding Clamp

Touch Display

Control Dials

Isoflurane or **Sevoflurane** Syringe

Syringe Lock

Temperature Pad & Animal

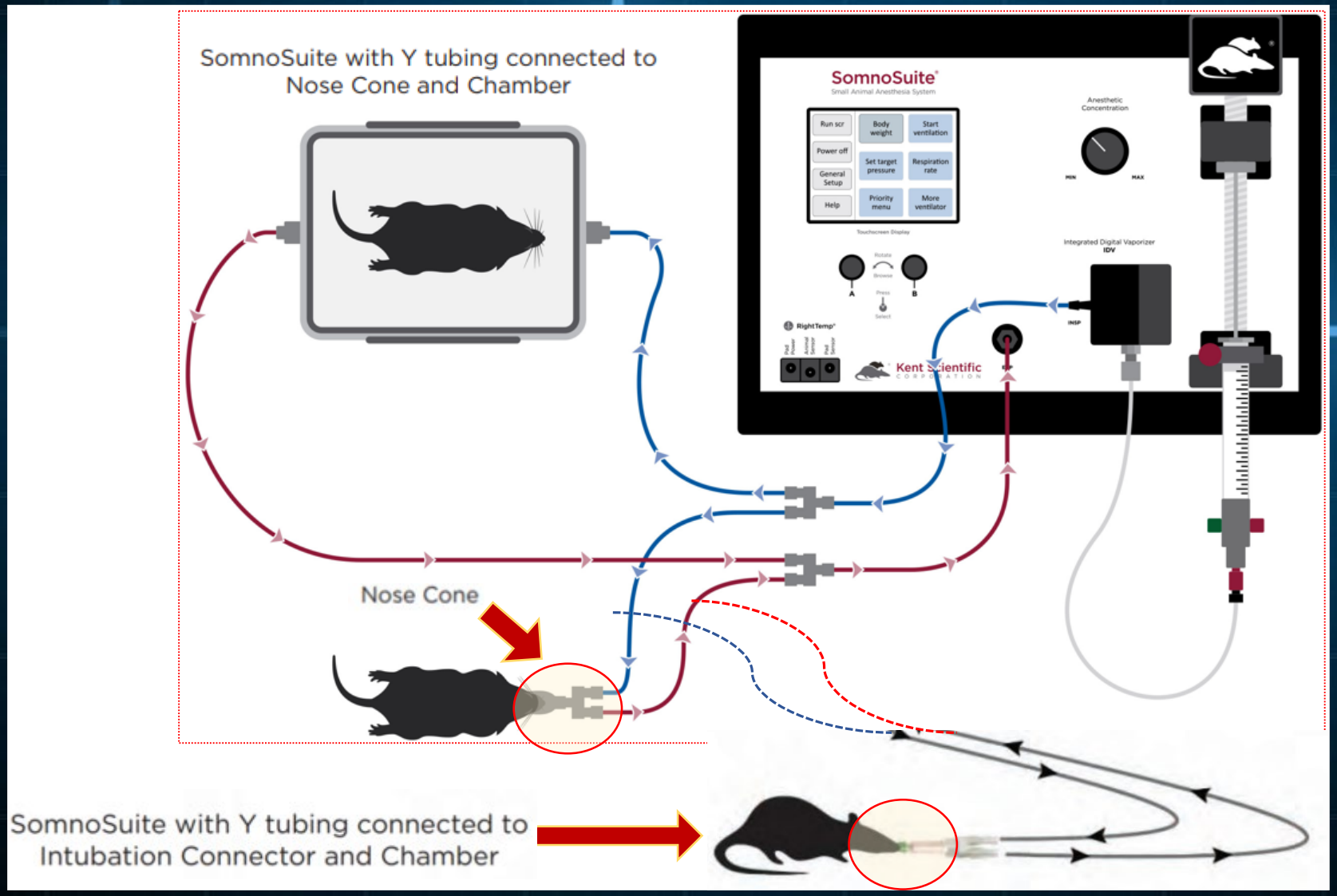
Expiratory Port

Inspiratory Port

Digital Vaporizer with Gas-Warming Element

Anesthetic Delivery Line

SomnoSuite

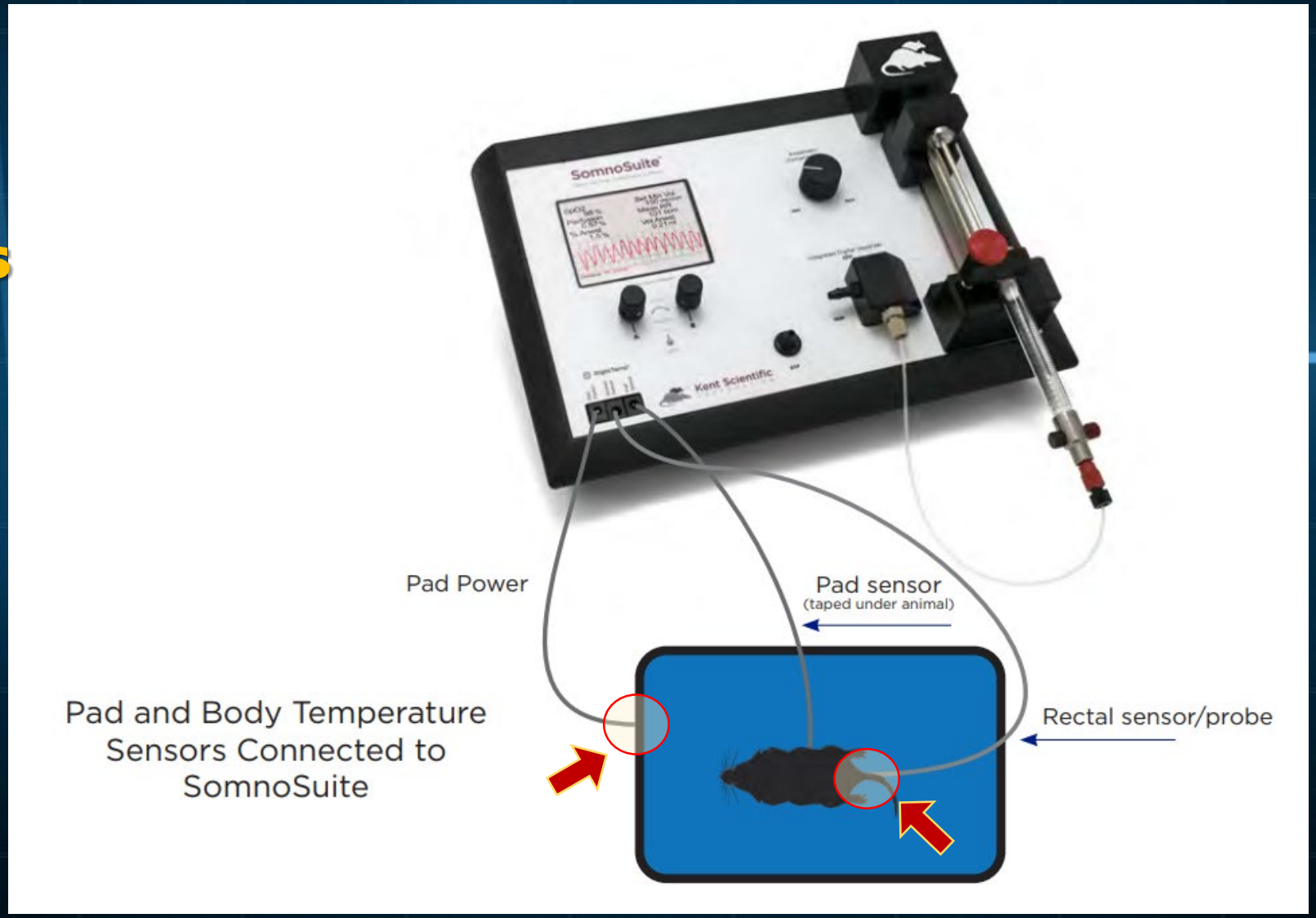

SomnoSuite with Y tubing connected to
Nose Cone and Chamber
SomnoSuite
Small Animal Anesthesia System
Run scr
Body weight
Start ventilation
Power off
Set target pressure
Respiration rate
General Setup
Help
Priority menu
More ventilator
Anesthetic Concentration
MIN
MAX
Integrated Digital Vaporizer
IDV
INSP
RightTemp
Kent Scientific
Nose Cone
SomnoSuite with Y tubing connected to
Intubation Connector and Chamber

UTSA The University of Texas at San Antonio™

SomnoSuite

LARG Training Courses

Homeostasis

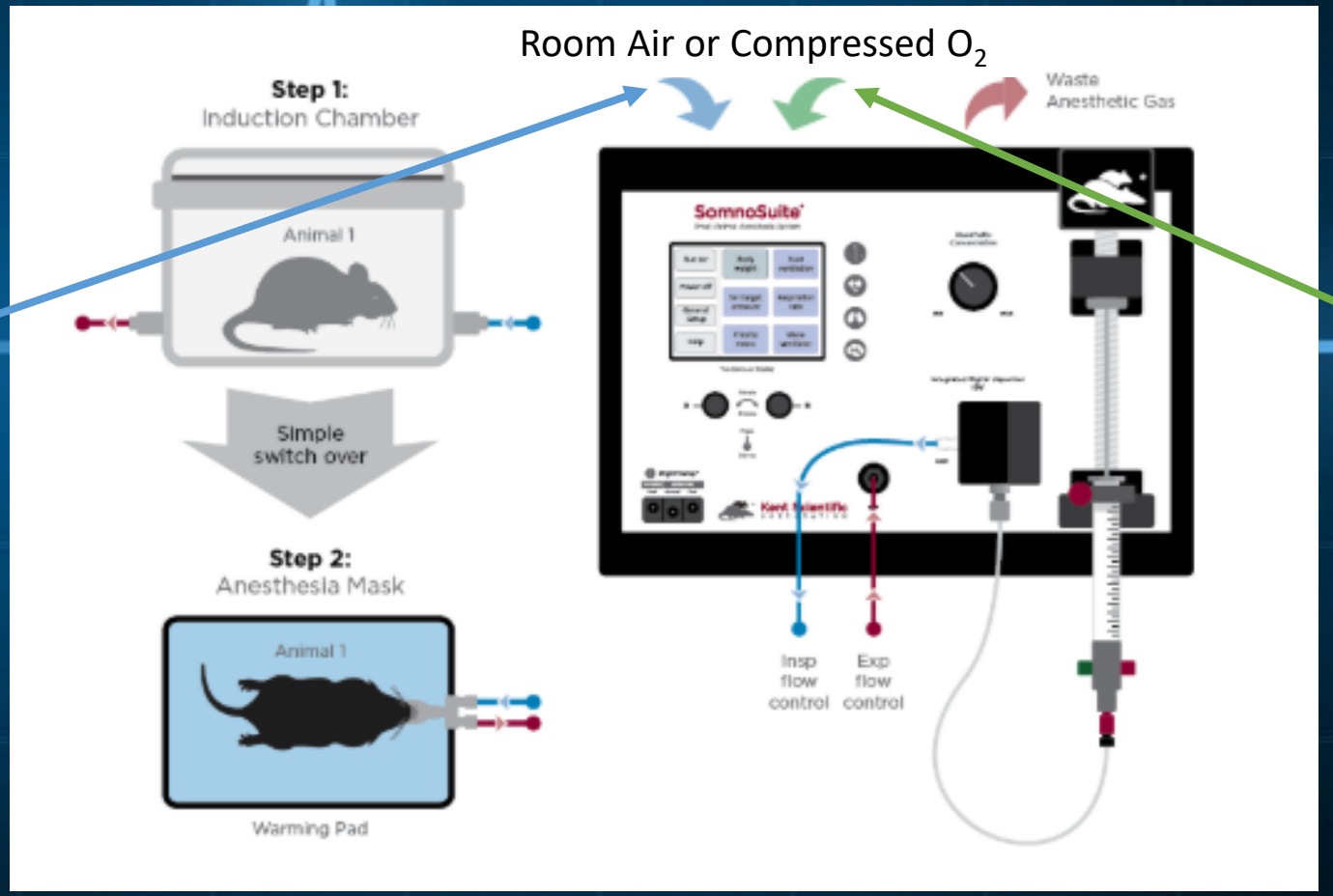


SomnoSuite

Built-in Air Compressor:

- **Uses room air or compressed gas**

Note: Room air for short procedures only



UTSA The University of Texas at San Antonio™

LARC Training Courses

SomnoSuite

Why?

Digital Vaporizer

Built-In Air Compressor

Save Isoflurane or Sevoflurane

Touch Screen Control

Digital Control for Precise Delivery

Real-Time Recordings

Minimum Waste Gas Exposure

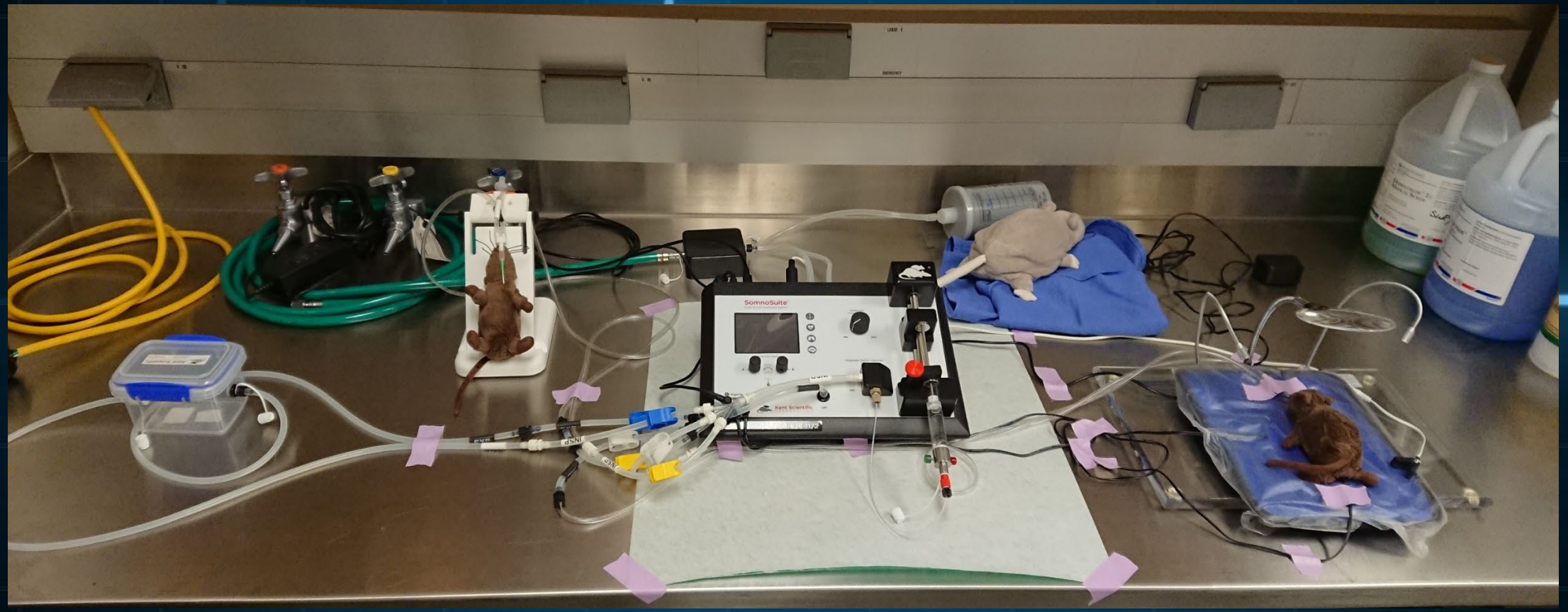
No Calibration Needed

Compact System - Easily Integrates Into Stereotaxic Setups

UTSA The University of Texas at San Antonio™

LARC Training Courses

SomnoSuite



Interested in training on the SomnoSuite?
Contact us at larc@utsa.edu