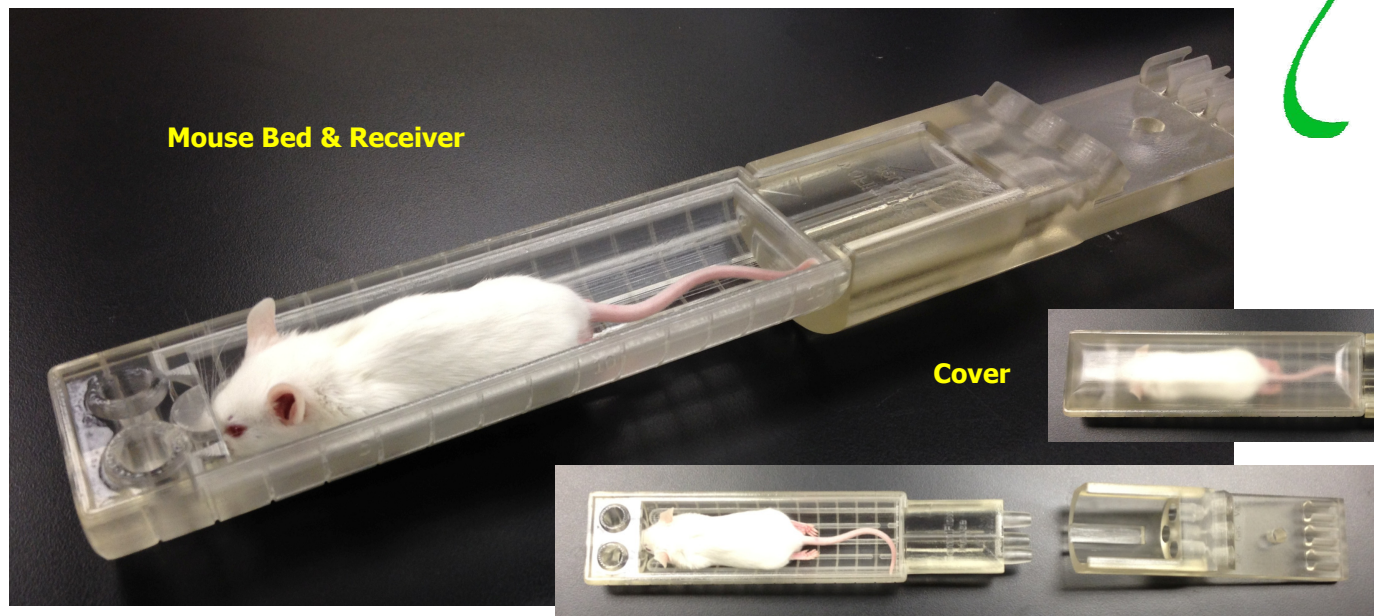


# Small Animal In Vivo Imaging Beds

PET, SPECT, CT and MR Preclinical Applications



**SomniFlow™ Imaging Beds** from In Vivo Concepts are durable, clear plastic, transportable cradles for small animals designed with internal plumbing for gaseous anesthesia supply, warm air and waste gas return providing a more ergonomic and stable environment for enhanced preclinical imaging. These novel, new beds are a single piece construction, larger than most other PET/SPECT/CT/MR beds and won't break or fail from mishandling or over use. The advantages of **SomniFlow™ Imaging Beds** are tangible features developed by our staff of Imaging Specialists from many years of small animal imaging experience:

- **Single-Piece Design from Durable Clear Plastic**
- **Integrated Hyper-Branching Plumbing for Anesthesia, Warm Air & Waste Gas Return**
- **Larger Ergonomic Animal Area (Rat - 29cm x 9cm, Mouse - 12cm x 5cm)**
- **Sealed Covers, Probe Sample Holders & Imaging System Receivers**
- **Custom Beds, Application Assistance & Onsite Installation**



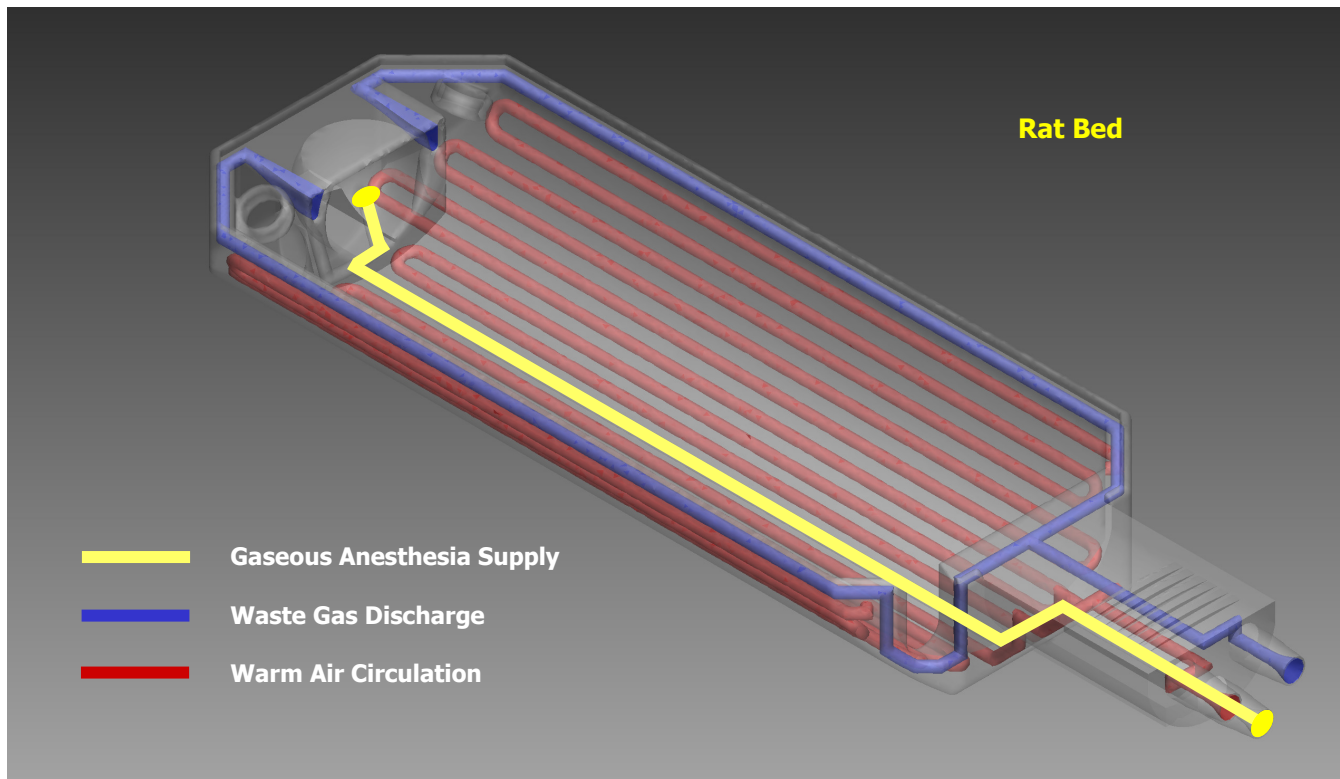
**Receiver**

**Dual Mouse Adapter  
for Rat Bed**



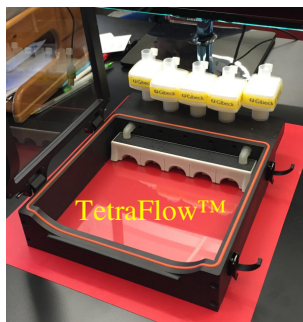
# SomniFlow™ Imaging Bed Design

This schematic shows the general flow of fresh gaseous anesthesia into the bed and into the integrated nose cone, the waste gas scavenging lines for discharge and the heated air matrix plumbing that exhausts into the imaging chamber and circulated out with the waste gas.



## SomniFlow™ Dimensional Data

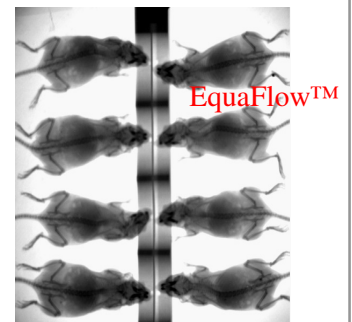
<u>Imaging Bed</u>	<u>Length</u>	<u>Width</u>	<u>Height</u>	<u>Total Length with Receiver</u>
Mouse Bed (Model SFL-M)	219.5mm	46.0mm	27.5mm	304.5mm
Rat Bed (Model SFL-R)	290.0mm	90.0mm	37.5mm	425.0mm
Dual Mouse Adapter (Model SFL-2M) (used as an insert on the Rat Bed)	105.0mm	74.0mm	29.0mm	425.0mm



Imaging Chambers



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Rat & Mouse Manifolds