



## Equaflo Manifolds

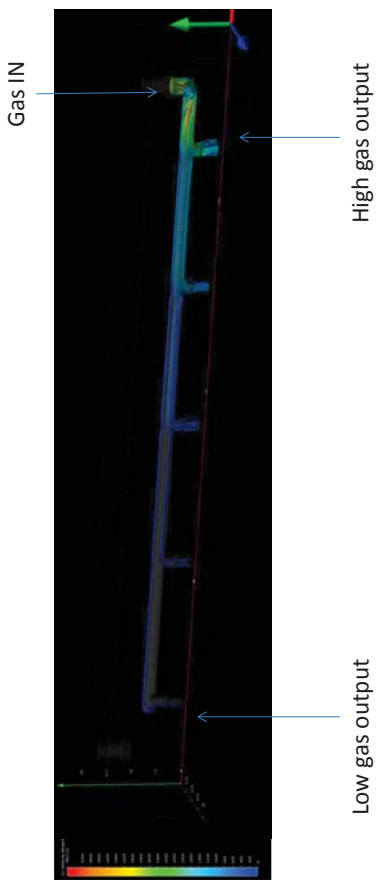
Equal Flow to each nose port

No Waste Gas Exposure

No Background Signal

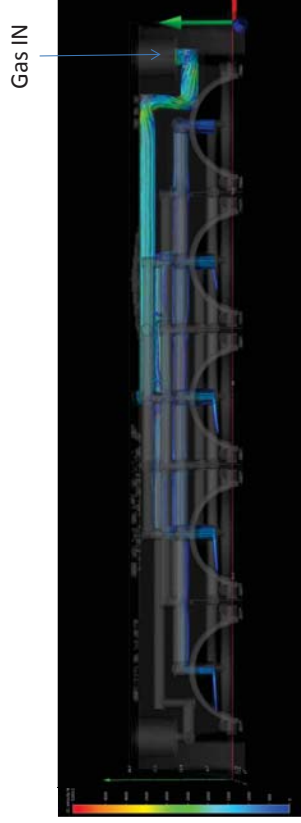
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## Equaflow M-5: Computational Fluid Dynamics



Traditional manifolds deliver gas in a series, with unequal deliver to each nose port. This results in mice that wake up during imaging procedures. CFD run with Autodesk Simulator 2014 at a flow of 2 lpm.

## Equaflow M-5: Computational Fluid Dynamics



Equaflow manifolds use a hyperbranching architecture (patent pending) for equal delivery to each nose cone. CFD run with Autodesk Simulator 2014 at a flow of 2 lpm.

## Equaflow M-5: Fog Test

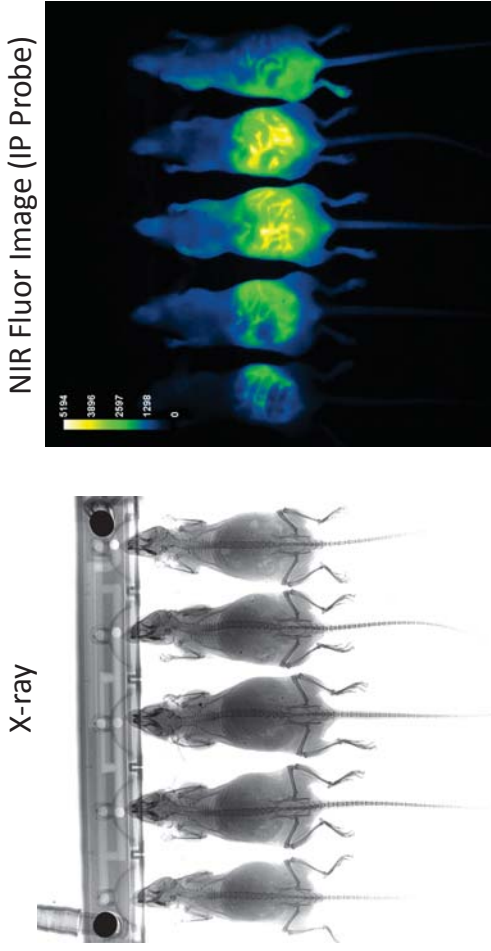


Top frame, manifold alone.

Center panel: fog perfusion with active scavenging to create equal gas pockets at each port, with none escaping.

Bottom panel: fog perfusion without scavenging to demonstrate the leakage issues of manifolds without active scavenging

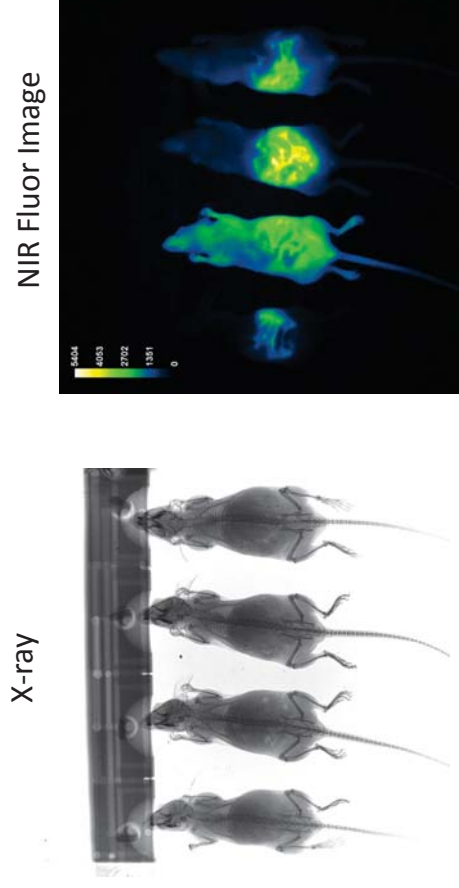
## Equaflow M-5: Example Images



5 mice (21-25 g), 190 mm FOV

**\*\*NOTE:** The Equaflow is created with black nylon that is invisible in Green, Red, Cy5, Cy5.5, and Cy7 fluorescent filter sets. The Equaflow manifolds do not autoluminesce during bioluminescence captures.

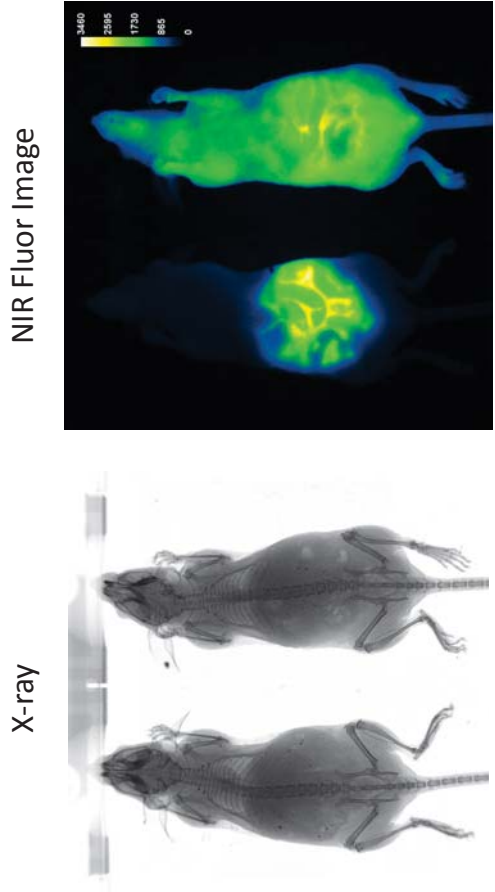
## Equaflow M-4



4 Mice (21-25 g), 190 mm FOV

*Optimal for cohorts of 4, or subsets of 2*

## Equaflow M-4



Center two mice  
100 mm FOV

Center two mice  
100 mm FOV

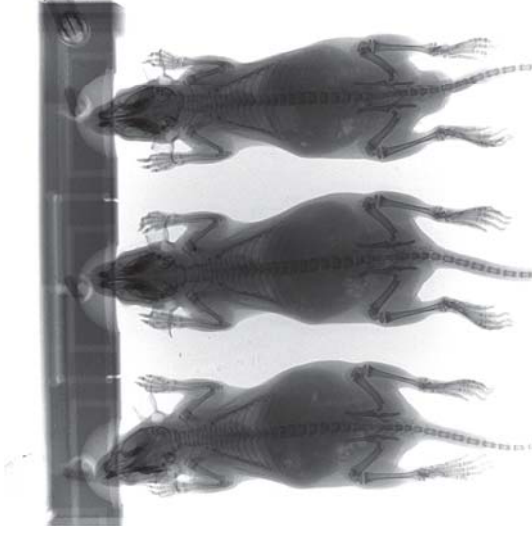
*Optimal for cohorts of 4, or subsets of 2 in center ports*

## Equaflow 3XL: Example Images



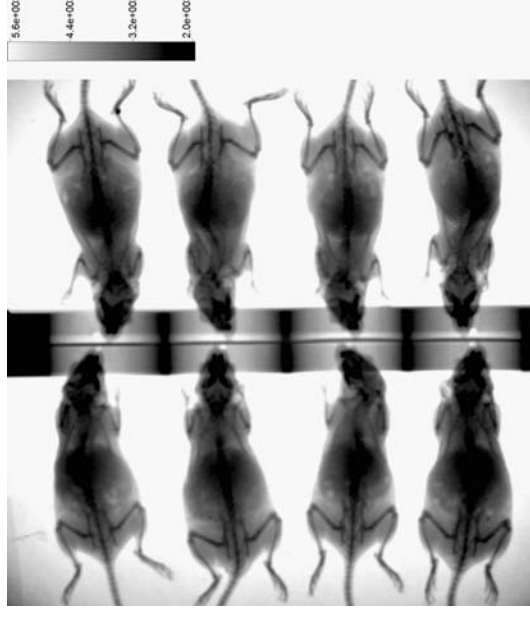
Larger nose port and optimal spacing to accommodate  
3 small rats (100 g rats shown) or 3 large mice

## Equaflow 3XL: Example Images



Larger nose port and optimal spacing to accommodate 3 small rats (100 g rats shown) or 3 large mice

## Equaflow 8M-HT: Example Images



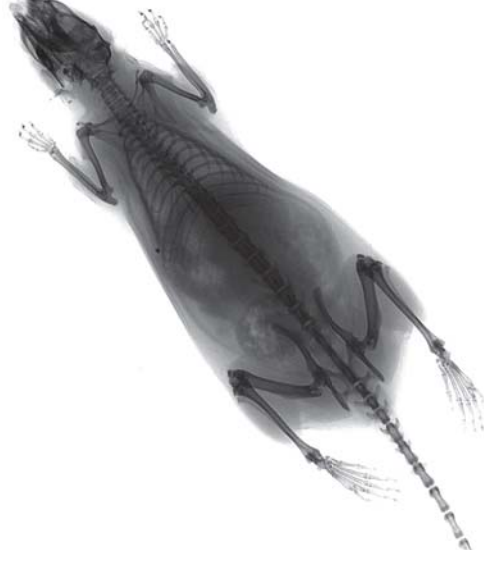
8 Nose Cones to image 2 cohorts of 4 mice, in the same image!

## Equaflow R: Example Images



Corner nose cone allows for diagonal positioning to maximize imaging field of view (FOV). 200 g rat shown.

## Equaflow R: Example Images



Corner nose cone unit allows for diagonal positioning to maximize imaging field of view . 200 g rat shown at 190 mm FOV.