

Infusion Using the Whole Body Plethysmograph Tower

Whole body plethysmography allows for measurement of a variety of endpoints including breath frequency, tidal volume, peak flows, and Enhanced Pause (Penh, index that points to changes in airway hyperreactivity). In addition, use these chambers to count coughs or perform intermittent hypoxia studies. Temperature and humidity sensors are available to derive the most accurate volume and flow values when not using aerosols.

Combine infusion systems with DSI plethysmograph towers to administer compound, manage pain, draw blood, or create injury models; all while obtaining respiratory endpoints.



Specially designed tower caps accommodate Instech swivels and tethers; allowing researchers to conduct respiratory studies on animals when access to intravascular paths are desirable.

Single and dual channel swivel configurations are available.

A similar cap can be provided for combined respiratory studies with EEG or ECG collection.

DSI offers a wide variety of whole body plethysmographs (WBP) for conscious unrestrained animals ranging from mouse pups to swine.

Plethysmographs feature our patented Halcyon™ pneumotachograph which greatly improves the signal-to-noise ratio and reduces unnecessary breath rejection for analysis. Unrestrained whole body plethysmography is an entirely noninvasive technique, though some accessories may be invasive.