

Buxco FinePointe for Resistance and Compliance (RC)

Features

- Continuously measure lung resistance and dynamic compliance in anesthetized animals
- Automated calibration
- Heated bed
- In-line aerosol delivery and control
- Built-in FinePointe console enables control from the site
- Use with intubated animals for longitudinal studies
- Intelligent ventilator supports protocol-driven deep inflations, breath holds, and PEEP
- Single USB connection to computer
- Live display and monitoring of the signals and derived data
- Multiple and simultaneous subjects capable (no limits)
- Optional static compliance measurement available
- Optional heart rate or blood pressure monitoring

DSI's Buxco FinePointe Series RC sites provide hardware necessary to collect invasive resistance, dynamic compliance, static compliance, and elastance data in anesthetized animals.

The subject is anesthetized and instrumented to directly measure the animal's respiratory flow and lung pressure. From these direct measurements of the airflow and lung pressure, R_l and C_{dyn} are computed. This system can be used with either tracheostomized or intubated animals. With intubation, you can perform longitudinal studies.



The Buxco FinePointe RC system for mouse. Its compact design takes up only 30 x 45 cm of table space.



The Buxco RC Chamber for Rat/GP

