

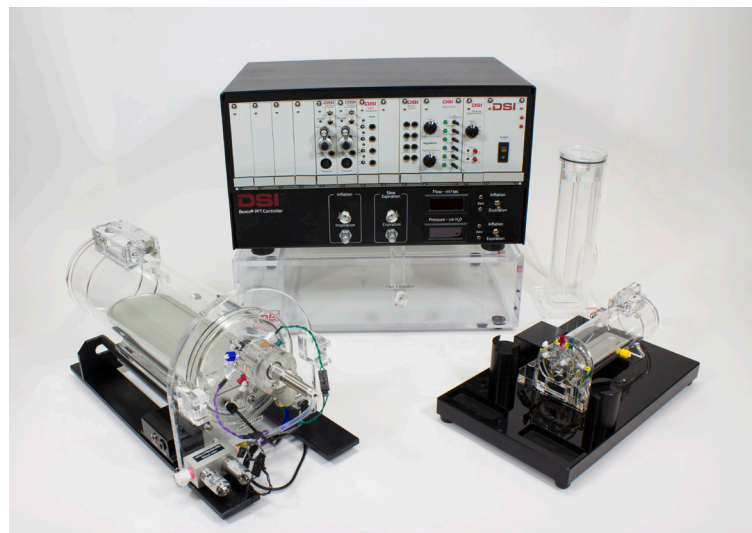
Pulmonary Function Testing (PFT)

Features

- **Most comprehensive assessment of the lung**
- **Complete a series of tests in just minutes**
- **View results immediately, use overlays to compare repeated tests**
- **Ideal for chronic obstructive pulmonary disease (COPD) studies**
- **Determine FRC and other lung capacities**
- **Software reports forced expiratory volume (FEV), forced expiratory flow (FEF), and many other values**
- **Direct measurement of pulmonary mechanics - lung resistance and dynamic compliance**
- **Reports produce group average of P-V loops and F-V loops**

Similar to spirometry in cooperative humans, the pulmonary function testing system provides comprehensive PFT data for preclinical applications.

For the functional residual capacity (FRC) test, subjects must be spontaneously-breathing. For other tests, subjects may be ventilated (ventilator included) or spontaneously-breathing. Subjects are anesthetized, and the tests are automated.



PFT controller, calibrator, and chambers. The PFT system includes a control panel with pressure/vacuum reservoirs, and plethysmograph.

Available for:

Mice, Rats, Guinea Pigs, and NHP. Additional species or custom chambers may be available upon request.

Available Tests:

- Boyle's Law FRC
 - Fast Flow Volume
 - Quasistatic Pressure Volume
- Resistance and Compliance analysis is also available.



An FV Loop report showing the results of two different groups on the same graph.