

#5215

Breathing Simulator (BRS 100i) (Copley)



DESCRIPTION

Equipment designed to simulate human breathing patterns for in vitro testing of inhalable products. Allows recreation of respiratory cycles with control of tidal volume, frequency, and inspiration/expiration ratio.

MAIN FEATURES

- Tidal volume: 0–800 mL
- Breathing frequency: 12–40 cycles/min
- I:E ratio: 1:1 to 1:3
- Operating mode: Sinusoidal
- Interface: Touchscreen and software for customized cycle programming

MAIN APPLICATIONS

- In vitro evaluation of nebulizers and pressurized metered-dose inhalers
- Calculation of aerosol output rate and delivered dose reaching the patient
- Simulation of poor coordination between device actuation and patient inhalation

ASSOCIATED SERVICES

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