



DELIVERY RATE AND DELIVERY DOSE DETERMINATION FOR NEBULIZER

Designed to assess delivery rate and total dose for nebulizers, this system includes a breath simulator, sampling apparatus, and nebulizer unit. The sampling apparatus meets the qualification standards for delivery rate and dose determination as outlined in USP, Ph.Eur., and ChP 2020.

APPLICATIONS

Standards

- United States Pharmacopeia (USP) <1601> - Products for Nebulization: Characterization
- European Pharmacopoeia (Ph. Eur.) 2.9.44 - Preparations for Nebulization: Characterization
- Chinese Pharmacopoeia (ChP) 2020 - Delivery Rate and Delivered Dose Testing

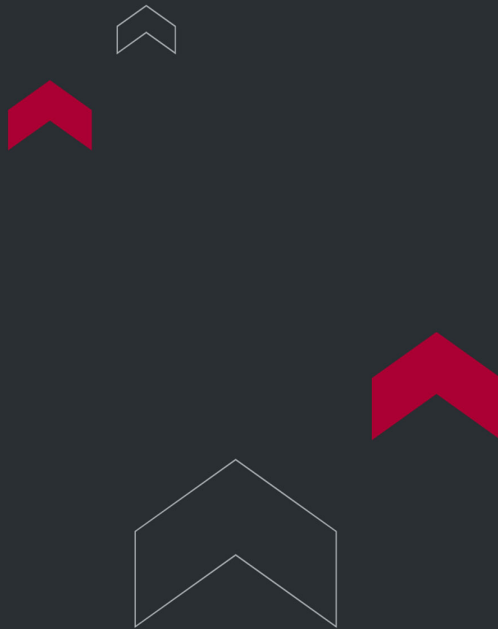
FEATURES

1. Features a breath simulator, sampler, and nebulizer.
2. Four operating modes comply with USP, Ph.Eur., and ChP 2020 standards.
3. Customizable parameters including tidal volume, breathing frequency, inhalation ratio, breath pattern curve, and cycle time to accommodate various experimental needs.

TECHNICAL SPECIFICATIONS

Item	Characteristics			
	Adult	Neonate	Infant	Child

Tidal Volume	500ml	25ml	50ml	155ml
Respiratory Rate	15 cycles/min	40 cycles/min	30 cycles/min	25 cycles/min
Respiratory Pattern Curve	Sine type	Sine type	Sine type	Sine type
I/E ratio	1: 1	1: 3	1: 3	1: 2



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