

# PARI LC® REUSABLE NEBULIZERS

Specialists in effective inhalation



## PARI LC® PLUS REUSABLE NEBULIZER

- #1 Clinically Chosen Breath-enhanced reusable nebulizer
- Low Medication Waste
- High Respirable Drug Delivery Rate

## PARI LC® SPRINT REUSABLE NEBULIZER

- Next Generation Breath-enhanced reusable nebulizer
- Faster Treatment Time ~5-6 minutes
- High Respirable Drug Delivery Rate

### The Truth Behind Disposable Nebulizers Traditional "T" Disposable Nebulizers

- Long treatment time, ~15 minutes
- Inconsistent delivery of medication
- Intended to be discarded after 10 treatments
- Difficult to clean and disinfect
- Wastes medication
- More costly

### The Benefits of Reusable Nebulizers PARI LC® Reusable Nebulizers

- + Short treatment times, 5-6 minutes<sup>1</sup>
- + Consistent, efficient delivery of medication to the lungs
- + Reusable, designed to last 6 months
- + Easy to clean: boilable and dishwasher safe
- + Breath-Enhanced Technology = minimal medication waste
- + Cost effective

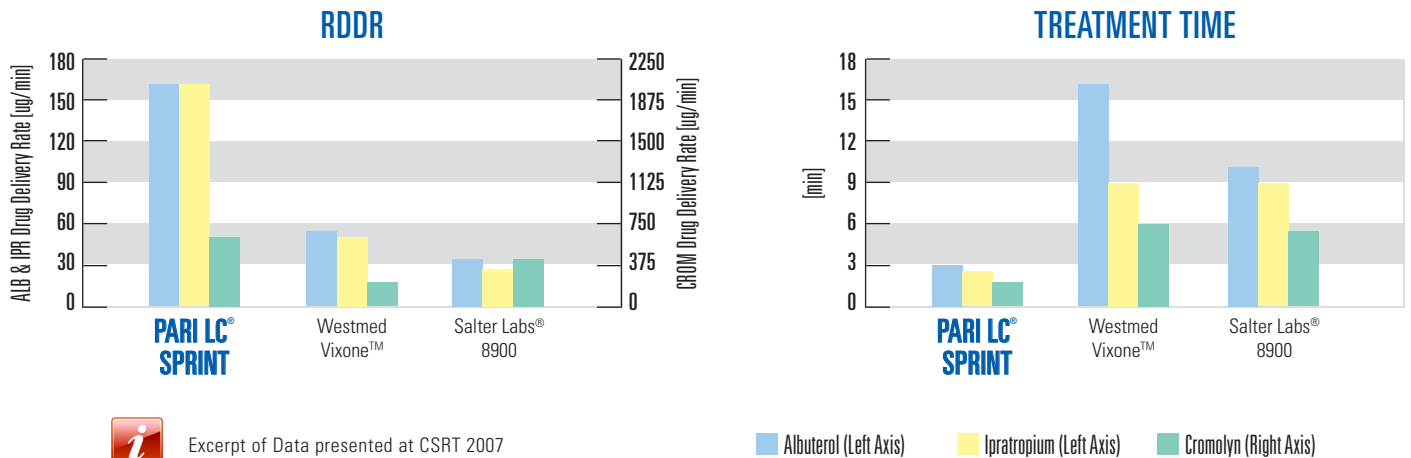
WHY IS RDDR IMPORTANT?

**RDDR**, or **Respirable Drug Delivery Rate**, is a more accurate measure for comparison of device efficiency for different nebulizer/compressor systems. RDDR indicates how much drug deposits in the lung and how fast it deposits. A larger RDDR indicates more drug delivery to the mid or lower airways per minute.

PARI LC® Sprint Reusable Nebulizer vs. Conventional Disposable Nebulizers<sup>2</sup>

KEY FINDINGS:

The **PARI LC® Sprint** can deliver **more drug per minute** and **shorten treatment times** compared to traditional conventional nebulizers.

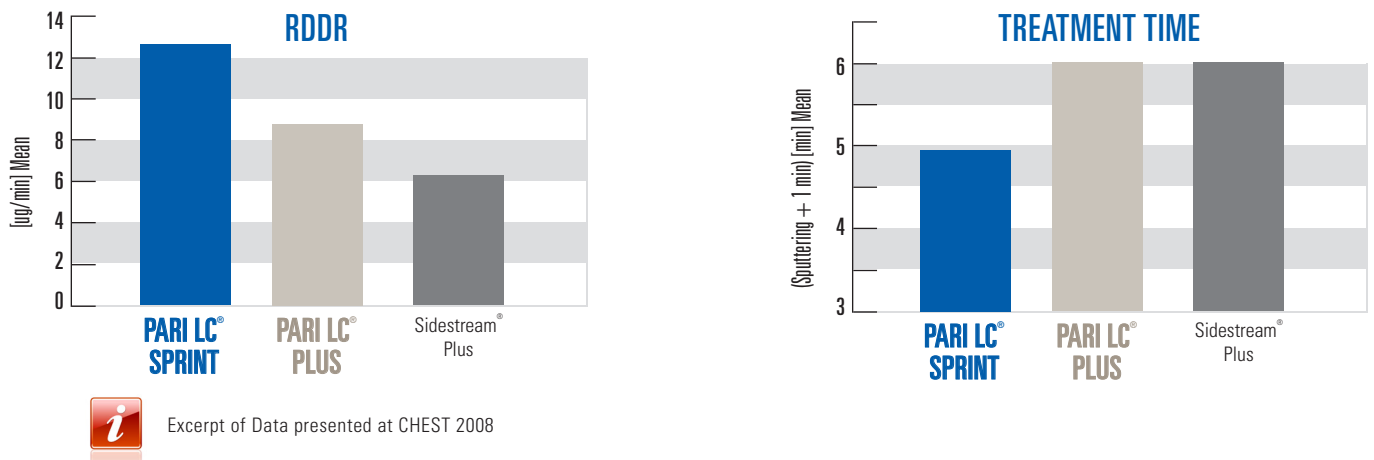


PARI LC® Reusable Nebulizer vs. Respironics Sidestream Plus Reusable Nebulizer<sup>3</sup>

KEY FINDINGS:

**PARI LC® Reusable Nebulizers** deliver more respirable particles of budesonide at a faster rate when compared to the Respironics Sidestream® Plus.

**RDDR is 86% higher for the PARI LC® Sprint and 39% higher for the PARI LC® Plus when compared to the Sidestream® Plus.**



References:

- <sup>1</sup> Measured with Malvern MasterSizer X at 50% relative humidity, 0.9% NaCl solution, inspiratory flow 20 liters/minute, continuous nebulization, 23° C, fill volume 2.5 ml.
  - <sup>2</sup> N.H. Tiffin, L.A. Weinstein, R.J. May, J.L. Tiffin. Comparison of Nebulized Drug Delivery Times of Four Nebulizers. Canadian Journal of Respiratory Therapy 2007 43.2: 43
  - <sup>3</sup> A.N. Weigand, L. Cambridge, N.H. Tiffin, U. Schuschnig. Using RDDR to Compare Delivery Efficiency of Three Commercially Available Breath-Enhanced Nebulizers with Budesonide. American College of CHEST Physicians. October 2008.
- \* All registered marks belong to their respective companies.