



## Why PARI VORTEX<sup>®</sup> ?

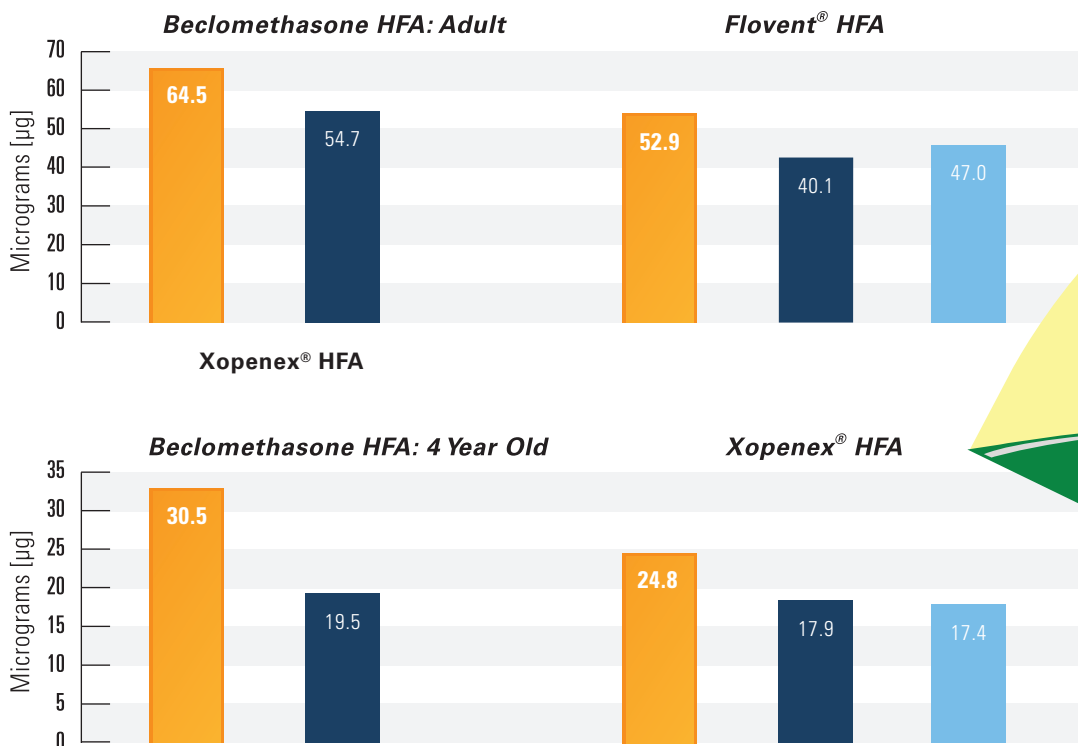
- ▶ PARI VORTEX<sup>®</sup> delivers up to **56% MORE** respirable particles than plastic spacers<sup>2</sup>
- ▶ More affordable than most plastic holding chambers
- ▶ Less throat deposition than Aerochamber<sup>®</sup> Plus and MAX, decreasing the chance for systemic side effects<sup>1</sup>
- ▶ Metal chamber reduces static charge and ensures patients receive a more consistent treatment dose<sup>3</sup>
- ▶ Compatible with new HFA propelled MDIs
- ▶ PARI VORTEX<sup>®</sup> DOES NOT require priming of MDI or dipping in detergent
- ▶ Child friendly character masks help improve pediatric patient compliance
- ▶ Patented<sup>†</sup> one-way duckbill valve requires minimal inspiratory effort to open and close, ideal for patients with low tidal volume
- ▶ Dishwasher safe and latex free

<sup>†</sup>Patent Number 7562656

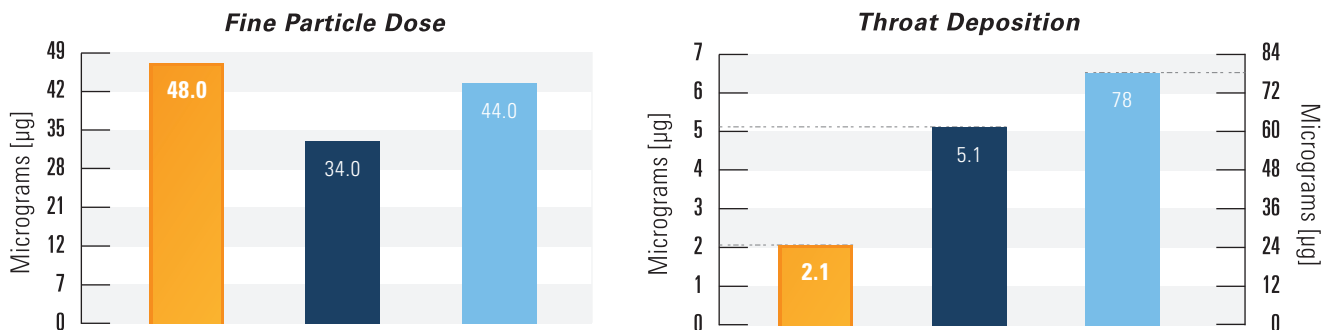
# The Difference is in the Delivery



## Inhaled Dose Delivery<sup>1&3</sup>



## Fine Particle Dose and Throat Deposition<sup>4</sup>



**Conclusion:** The PARI Vortex<sup>®</sup> delivers a higher Fine Particle Dose and lower throat deposition, therefore reducing the chance for systemic side effects while delivering medication efficiently to the lungs.

### References:

- <sup>1</sup>Zuberhuhler P, et al. In vitro testing of new non-electrostatic holding chamber with hydrofluoralkane salbutamol and beclomethasone inhalers. CHEST 2002; 122:185S.
- <sup>2</sup>Wildhaber JH, et al. Effects of electrostatic charge, flow delay and multiple actuations on the in vitro delivery of salbutamol from different small volume spacers for infants. Thorax 1996; 51:985-988.
- <sup>3</sup>Source: Aerosol Research Laboratory of Alberta. Report on Mouth-Throat Deposition Measurements with the Vortex Holding Chamber. April 2008.
- <sup>4</sup>L. Bakuridze, et al. Are There Differences in Throat Deposition Using Variable Valved Holding Chambers?. European Respiratory Society Annual Congress 2006, Poster No. 1083.

\*All registered marks and trademarks belong to their respective companies.