



## PARI VORTEX<sup>®</sup> NON ELECTROSTATIC VALVED HOLDING CHAMBER

- ✓ Metal chamber reduces static charge and delivers more medication than traditional plastic chambers and spacers<sup>1</sup>
- ✓ Compatible with new HFA propelled MDIs
- ✓ Consistent medication delivery to the lungs<sup>2</sup>
- ✓ Easy for all ages - minimizes MDI technique & coordination
- ✓ Easy to clean – dishwasher safe
- ✓ Latex Free
- ✓ Child friendly masks make treatments fun!

**PARI. The Clinical Choice.**

# PARI VORTEX®

## WITH PATENTED DUCKBILL VALVE†

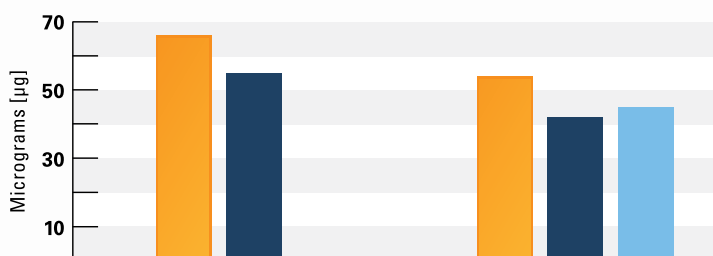
- ✓ Opens and closes with minimal inspiratory effort
- ✓ Ideal for patients with low tidal volume



## THE DIFFERENCE IS IN THE DELIVERY

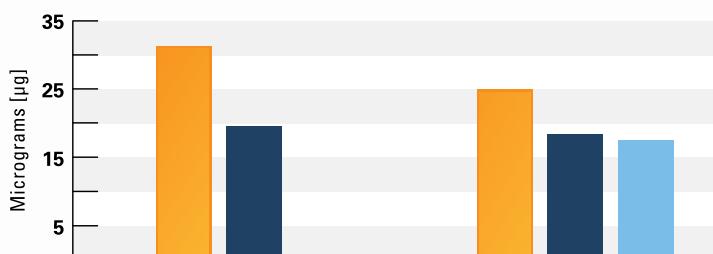
■ PARI Vortex® 
 ■ Aerochamber® Plus 
 ■ MDI Alone

### Inhaled Dose Delivery<sup>1&4</sup>



Beclomethasone HFA: Adult

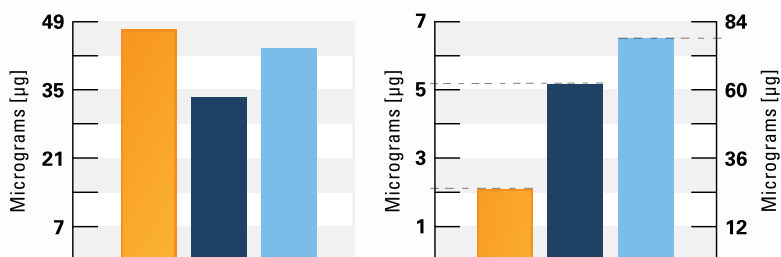
Flovent® HFA



Beclomethasone HFA: 4 Year Old

Xopenex® HFA

### Fine Particle Dose and Throat Deposition<sup>3</sup>



Fine Particle Dose

Throat Deposition

**Vortex® Key Finding: Higher FPD and lower throat deposition reduces the chance of systemic side effects and delivers more medication to the lungs.**

## CONFIGURATIONS

	Part No.	NDC No.	HCPCS No.
Vortex® Valved Holding Chamber	051F5000	83490-0510-01	A4627
Vortex® with Chloe Ladybug	051F5110	83490-0510-22	A4627
Vortex® with Felix Frog	051F5210	83490-0510-23	A4627
Vortex® Hospital Package (qty 50)	051H5400	83490-0510-11	A4627
Chloe Ladybug Mask	044F5110	83490-0440-80	A7015
Felix Frog Mask	044F5210	83490-0440-81	A7015
Adult Mask	044F7247	83490-0440-61	A7015



Adult Mask



Felix Frog  
Ages 3+ years



Chloe Ladybug  
Ages 1-2 years

<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>L. Bakuridze, et al. Are There Differences in Throat Deposition Using Variable Valved Holding Chambers?. European Respiratory Society Annual Congress 2006, Poster No. 1083.

<sup>4</sup>Golshahi M, et al. In vitro Comparison of Lung Delivery of Xopenex and Flovent HFA using Vortex and AeroChamber Plus Holding Chambers. Chest 138:162A; doi:10.1378/chest.9864.

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†US Patent Number: 7,562,656