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***In Vitro* Equivalency Between an Anti-Static and Non-Static Chamber**

AeroChamber® Brand Valved Holding Chambers (VHCs) play an important clinical role in the management of respiratory disease in over 100 countries. VHCs are designed to improve medication delivery, while reducing the amount of medication deposited in the mouth, and help patients overcome difficulties in coordinating actuation of the inhaler with inhalation. While features on the **AeroChamber Plus®** VHCs are continually evolving, emphasis is placed on delivery of consistent and equivalent aerosol performance.

An extensive *in vitro* evaluation of the **AeroChamber Plus®** Anti-Static VHC with **Flow-Vu®** Indicator (tested directly out of package) – has confirmed that it is equivalent to the **AeroChamber Plus®** VHC (pre-treated per manufacturer's instructions) using seven commonly prescribed Metered Dose Inhaler formulations.

The introduction of chambers made with new anti-static polymers provide consistent aerosol delivery while removing the need to pre-treat the device – which is likely not happening in either hospital or home environments. Static charge is known to affect aerosol delivery by acting like a magnet, attracting the aerosol particles and reducing clinical efficacy in an unpredictable manner. The **AeroChamber Plus®** Anti-Static VHC offers the additional advantage of the **Flow-Vu®** Indicator which allows caregivers to count the number of patient breaths, ensure an effective seal with the mask or mouthpiece and confirm that inhalation is being performed correctly. This key feature is the focus of another clinical evaluation presented at this conference. To view any of the six Research Papers, please follow the link to the left.

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