

The **AeroKat[®]** Feline Aerosol Chamber is designed to be used with a Metered Dose Inhaler (puffer) to deliver aerosol medication to cats with feline asthma, chronic bronchitis or allergic rhinitis.

The use of inhaled medication provides targeted delivery of medication to the lungs and reduces the side effects seen in cats treated with systemic medications.¹ Therapeutic effect can often be achieved with only a fraction of the dose required for systemic delivery of the same drug.²

Flow-Vu[®] Inhalation Indicator



The **Flow-Vu[®]** Indicator moves with inhalation and provides the caregiver with visual confirmation of the cat inhaling their medication. This is important because some cats hold their breath when first introduced to the mask. The **Flow-Vu[®]** Indicator also allows the caregiver to count breaths and ensure a proper facemask seal.



2 Mask Sizes

Each device is shipped with 2 different sized facemasks. The mask should cover the cat's nose and mouth but not the eyes.

Inhalation Valve

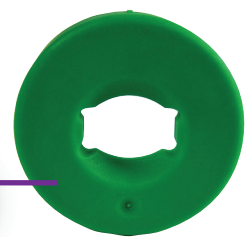
Extra sensitive, low resistance valve is designed to respond to shallow, low volume breaths

Anti-static Chamber

Holds the medication allowing the cat more time to inhale

Universal Backpiece

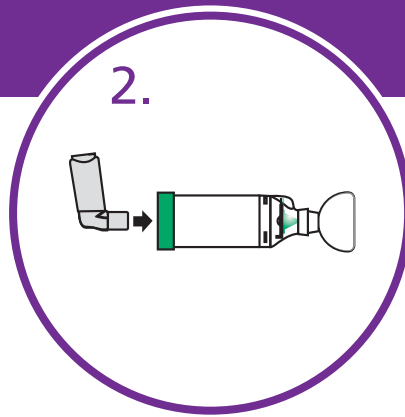
Can be used with all commonly prescribed Metered Dose Inhalers
(Note: not designed for use with Dry Powder Inhalers)



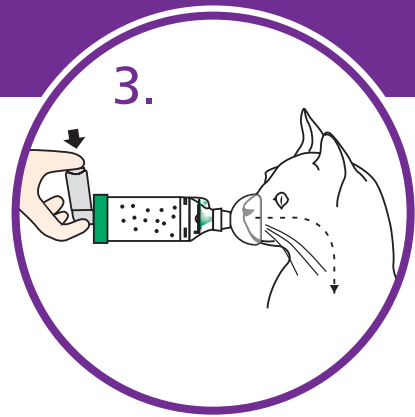
Easy to Use



1. Remove cap and shake inhaler



2. Insert inhaler into back of chamber and gently apply the mask to the cat's face



3. Press the inhaler to release the medication when the **Flow-Vu*** Inhalation Indicator is moving toward the cat and hold the mask in place for 5–6 breaths

Metered Dose Inhaler Treatment

Adapted from: Padrid P. *Use of inhaled medications to treat respiratory diseases in dogs and cats*. Journal of the American Animal Hospital Association 42:165-169 (2006).

DRUG	DOSE	USAGE	INDICATION
Albuterol <ul style="list-style-type: none"> Available through different manufacturers (i.e. Ventolin[†] HFA, Proventil[†] HFA) Single uniform strength: 90 µg/actuation 	<ul style="list-style-type: none"> 1-2 puffs (90 µg/puff) administered via AeroKat* Chamber Each Metered Dose Inhaler contains 200 puffs 	<ul style="list-style-type: none"> Use as needed, but not routinely In emergency cases, albuterol can be used q30 minutes for up to 4 to 6 hours without serious side effects 	Immediate relief of bronchoconstriction
Fluticasone Propionate <ul style="list-style-type: none"> Brand name: Flovent[†] HFA Metered Dose Inhaler Available in three strengths: 44 µg, 110 µg and 220 µg/actuation 	<ul style="list-style-type: none"> 1 puff (110 µg) q12h administered via AeroKat* Chamber Each Metered Dose Inhaler contains 120 puffs Cats with more serious disease may require 220 µg BID⁵ 	Overlap with oral prednisolone for 2-3 weeks when starting since Fluticasone [†] HFA takes 1-2 weeks to reach peak effect	Long-term control of airway inflammation

NOTES:

- In markets outside the USA fluticasone dosage is: 50, 125 and 250 µg. The reason for the difference is because in the U.S. inhalers are labelled by the amount of drug delivered at the mouthpiece, and in other markets they are labelled by the amount of drug delivered from the valve.³
- Albuterol and salbutamol are the same drug. Albuterol (90 µg/actuation) is the name used in the U.S. and salbutamol (100 µg/actuation) is the name used in the rest of the world.³
- If the cat gets frightened when pressing the inhaler, press the inhaler before placing the mask on the cat's face.
Note: this means the cat will receive a lower dose and may then require a second administration to guarantee that it receives an adequate amount of medication for treatment.⁴
- If the cat is treated with both fluticasone and albuterol, the bronchodilator (albuterol) should be given first.⁴
- Some of the newer Metered Dose Inhalers include dose indicators. If not, owners are encouraged to keep track of puffs.

¹ Padrid P. *Use of inhaled medications to treat respiratory diseases in dogs and cats*. Journal of the American Animal Hospital Association 42:165-169 (2006).

² Labiris NR, Dolovich MB. *Pulmonary drug delivery. Part II: the role of inhalant delivery devices and drug formulations in therapeutic effectiveness of aerosolized medications*. Br J Clin Pharmacol 2003;56(6):600-612.

³ Plumb's Veterinary Drug Handbook, 8th ed. Plumb DC (ed) – Ames, IA: Wiley-Blackwell, 2015.

⁴ Pernas GS. *Feline asthma*. Veterinary Focus. Vol 20 no 2, 2010: 10-17.

⁵ Padrid P. *Feline bronchial disease including use of inhaled medications*. Proceedings of the Southern European Veterinary Conference. 2010.

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