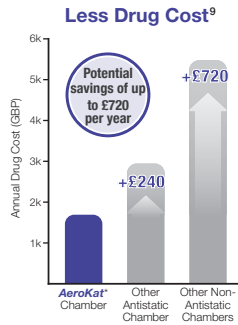
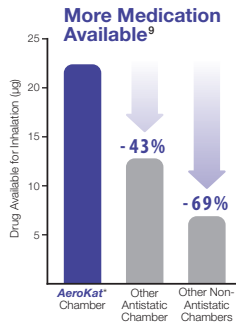


Make Every Puff Count

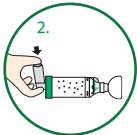


Exclusive **Flow-Vu** Indicator

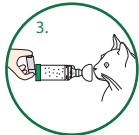
- Confidence in medication delivery
- Count breaths
- Ensure mask seal



1. Shake inhaler and insert into back of chamber



2. Press the inhaler to release the medication



3. Gently apply the mask so that it covers the nose and mouth but not the eyes



4. Use the **Flow-Vu** indicator to count 7-10 breaths

easy to give
www.catcare.org/vets

For tips, visit www.trudellanimalhealth.com/tips



AeroKat
Chamber

AeroDawg
Chamber

AeroHippus
Chamber

Learn more at AeroHippus.co.uk

Where to buy:

covetrus

MWI Animal Health
AmericasourceBergen

Vet Direct

Vet Direct
...on the pulse

BreathEazy
respiratory relief for cats, dogs and horses

Trudell
AnimalHealth.com

¹ 110µg Fluticasone MDI per activation vs 0.5-1.0 mg/kg prednisolone per dose. ² Flaxid P. Use of inhaled medications to treat respiratory diseases in dogs and cats. *Journal of the American Animal Hospital Association* 42:165-169 (2006). ³ Survey of Pet Owners who have used both oral and inhaled therapies. TMI data on file. ⁴ <https://grasshima.org/wp-content/uploads/2019/06/GBA-2019-main-report-june-2019-vms.pdf> ⁵ Chow KE et al. Scintigraphic Assessment of Deposition of Radio-labeled Fluticasone Delivered from a Nebulizer and Metered Dose Inhaler in 10 Healthy Dogs. *J Vet Intern Med.* 2017 Nov;31(6):1849-1857. ⁶ Plumb's Veterinary "Prednisolone/Prednisolone Medication Guide" (<https://www.plumbsveterinarydrugs.com/sites/default/files/VMG-Prednisolone-Prednisolone-2019-01-30-1259.pdf>) ⁷ Sharp C. Treatment of Feline Lower Airway Disease. *Today's Veterinary Practice*, March/April 2014. ⁸ Carey S. Current Therapy for Canine Chronic Bronchitis. *ISVMA*. 2012. ⁹ TMI data on file. Chambers used directly out of package. Drug (Flovent HFA 125, GSK) delivered measured at the mouthpiece past the valve with 2-sec inhalation delay. Results reflect the performance of the anti-static MWI NeoChw 2 in 1 Feline Aerosol Chamber and the average performance of four non-anti-static chambers. Cost annualized based on 2 puffs per day and £45 per canister.

‡ International Society of Feline Medicine (ISFM) is the veterinary division of International Cat Care.
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MADE IN CANADA
with Canadian and USA parts

Manufactured by:
TRUDELL MEDICAL INTERNATIONAL
MAKERS OF THE AeroChamber® BRAND OF CHAMBERS

AeroDawg
Chamber

AeroKat
Chamber

INHALED THERAPY GUIDELINES



Breathe Better. Live Better.

Living with *asthma* and *bronchitis* without the lifetime of side effects.

WHY INHALED THERAPY?

Asthma and Bronchitis are chronic conditions that require a lifetime of management.



Transition to Inhaled Steroids for Better Quality of Life

Reduce Side Effects of Systemic Steroids by Delivering Medication Where it's Needed... *in the Lungs.*

- 25x lower concentrations of steroid when targeting the airways directly¹
- Safer for long term disease control² – limited health and behavioral changes
- Easier for owners to administer³
- Recommended therapy just like in human children⁴, with similar respiratory tract deposition⁵
- Helps keep pets able and willing to play with their family



Owner Rated Ease of Use

Inhaled	84%
Oral/Pill	27%

Side Effects of Systemic Steroids

"The goal of oral steroid treatment is to find the lowest dose possible and use it for the shortest period of time."⁶

- Behavioral changes, including aggression
- Lethargy and no energy to play
- Increased thirst and loss of bladder control
- Greater risk of infections (bacterial, fungal, UTIs)
- Diabetes
- Weight gain / obesity
- Vomiting, diarrhoea
- Cushings disease
- Immune suppression

FELINE ASTHMA AND CANINE BRONCHITIS TREATMENT PATH^{2,7,8}

1 Treat Exacerbation!	2 Gain Airway Control	3 Transition to Inhalers	4 Daily Management																																	
<p>Ensure animal can breathe</p> <ul style="list-style-type: none"> • Immediate dilation of airways to provide respiratory relief • Provide injectable steroid and either inhaled or injectable bronchodilator • Injections administered in clinic/hospital • Inhaled bronchodilator may be administered in clinic or at home by owner 	<p>Clear the airways</p> <ul style="list-style-type: none"> • Reduce airway inflammation and regain control of airways • Provide short term course of systemic steroids • 10-day therapy course 	<p>Introduce Inhaled Therapy</p> <ul style="list-style-type: none"> • Taper systemic steroids while introducing inhaled steroids • Overlap therapy for 2 weeks • Inhaled steroids effectively target the airways for disease control without the side effects of systemic steroids 	<p>Maintain disease control</p> <ul style="list-style-type: none"> • Maintenance therapy to keep inflammation controlled and prevent exacerbations • Daily therapy for symptom management • Cat owners can administer inhaled bronchodilator during flare ups from exposure to triggers 																																	
<p>MEDICATIONS</p> <p>Dexamethasone</p> <p>AND/OR</p> <p>Terbutaline Salbutamol</p>	<p>MEDICATIONS</p> <p>Prednisolone</p>	<p>MEDICATIONS</p> <p>Fluticasone OR Fluticasone + salmeterol</p>	<p>MEDICATIONS</p> <p>Fluticasone OR Fluticasone + salmeterol AND Salbutamol</p>																																	
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<p>Notes</p> <ul style="list-style-type: none"> • Owners unable to regain control at home should bring animal to veterinary care 	<p>Notes</p> <ul style="list-style-type: none"> • Review environmental modifications to reduce triggers • Ensure pet owners understand systemic steroids are only temporary • Owners already using inhalers who treated exacerbation with salbutamol can continue with inhaled steroid 	<p>Notes</p> <ul style="list-style-type: none"> • Inhaled steroids can take 2-weeks to take effect 	<p>Notes</p> <ul style="list-style-type: none"> • Salbutamol is a rescue medication and should not be used as mono therapy • Canines not shown to bronchoconstrict. Little evidence salbutamol is effective for canine bronchitis 																																	

TYPES OF INHALED MEDICATION



Corticosteroid (ICS)

- Reduces airway inflammation and mucus production
- Used for ongoing management of condition even in the absence of symptoms

- Flixotide, GSK (fluticasone)
- Alvesco (ciclesonide)
- Asmanex (mometasone)
- Beclomethasone, budesonide



Bronchodilator (SABA & LABA)

- Open airways by relaxing smooth muscles to reduce bronchoconstriction
- Available in short acting (SABA; 4-6 hours) and long acting (LABA; 12 hours)
- Not to be used as mono-therapy
- SABAs considered a Rescue medication – may help coughing flare-ups and limit vet visits

SABAs:

- Salbutamol, Ventolin, ProAir, Proventil

LABAs:

- Salmeterol



Combination Inhaler

- Often a combination of ICS+LABA
- Reduce inflammation and relax smooth muscle
- Indicated for disease management not rescue
- May be used as step-up therapy

- Advair, Seretide, Sirdupla, Sereflo, Serroflo, Salmeterol/Fluticasone Cipla (fluticasone + salmeterol)
- Symbicort (budesone + formoterol)
- Dulera (mometasone + formoterol)