

AEROSOL DRUG DELIVERY

for

EQUINE RESPIRATORY DISEASE



The **AeroHippus*** Equine Aerosol Chamber (EAC)

is designed to be used along with a Metered Dose Inhaler (MDI) to deliver aerosol medication to horses with equine respiratory diseases such as Inflammatory Airway Disease or Recurrent Airway Obstruction.

Since 1990, inhaled aerosol medications have been used to treat horses with respiratory disease. Traditionally, horses were administered inhaled aerosol medications via aerosol mask chambers. However, these chambers are bulky and can be difficult to use.

The revolutionary new **AeroHippus*** EAC is a lightweight product that is designed to simplify the aerosol delivery process.



With **Flow-Vu***
Inspiratory
Flow
Indicator



Flow-Vu* Indicator is a valuable feedback tool that moves with respiration, allowing owners to count the number of breaths taken by the horse, ensure there is a secure seal and to coordinate actuation of the MDI with inhalation

One Size Fits All – from foals to warmbloods

Low Price – retails for under \$100, significantly lower than mask equine systems currently on the market

Anti-Static Chamber – improves aerosol suspension time and increases drug availability allowing the horse more time to inhale

Convenient and Portable Chamber

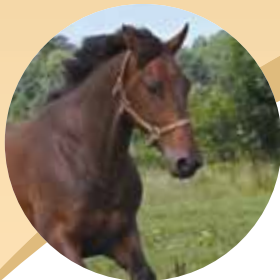
Simple to Use and Easy to Clean

Radiolabelled studies show a mean lung deposition of 18.2%¹ with researchers stating, "this is an extremely efficient device." High deposition may result in fewer doses required for medication to be effective and for potential cost-savings.

AeroHippus* 
Equine Aerosol Chamber

www.aerohippus.com

EQUINE RESPIRATORY DISEASE



GUIDELINES FOR USING INHALED MEDICATION TO TREAT EQUINE RESPIRATORY DISEASE

Main types of Equine Respiratory Disease:

Inflammatory Airway Disease (IAD): Chronic, intermittent cough, increased mucoid airway secretions, and decreased performance. Can affect horses of any age and clinical signs at rest are usually subtle. Lack of labored breathing or severe exercise intolerance in IAD provides differentiation from RAO.

Recurrent Airway Obstruction (RAO): Disease of the lower airways, resulting in coughing and exercise intolerance. Tends to affect mature to older animals (commonly referred to as heaves).²

Treatment:

- **Environmental Change:** Limit exposure of environmental irritants, such as molds and dust, present in feed and bedding and provide adequate ventilation
- **Vaccinations:** Lower the incidence of viral infections by vaccination
- **Inhaled Corticosteroids:** Help control airway inflammation and prevent reoccurrences. Administered by Metered Dose Inhaler via devices such as **AeroHippus*** Equine Aerosol Chamber
- **Inhaled Bronchodilators:** Open air passages and give immediate relief. Administered by Metered Dose Inhaler on an as needed basis via devices such as **AeroHippus*** Equine Aerosol Chamber

The exact combination of drugs and their doses depends on a number of factors, such as the results of lung function tests, type of inflammation, duration of the problem, presence of cough, size/body weight of the horse and horse's occupation.

Inhalation Therapy – Treatment of Horses with Mild to Moderate Disease

Drug	Dosage	Notes
Corticosteroids		
Beclomethasone	1,500 – 3,500 µg bid	
Fluticasone	2 mg bid	
Bronchodilators		
Albuterol	360 – 900 µg q4-6h	Powerful, rapid onset (5 min); duration of action: 1h
Fenoterol	1000 – 1500 µg q4-6h	

Source: Rush B, Grady JA. Recurrent Airway Obstruction (Heaves). Compendium Equine, May 2008, 198–205.

Note: This page contains a list of MDI medications and some selected information about each MDI medication. Trudell Medical International does not endorse the use of any specific MDI medication.

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