

“On a page.”

The Aservo® EquiHaler® provides a new standard of care for the effective treatment of severe equine asthma. It combines the novel prodrug ciclesonide with the advanced Soft Mist™ technology to deliver potent anti-inflammatory action deep into the lung.

Key Features	Supporting Information	Validation
<p>A sophisticated Soft Mist™ technology, delivers targeted treatment that is 12x as potent as dexamethasone, but with no statistically significant suppression of cortisol</p>	<ul style="list-style-type: none"><li>• Ciclesonide is a prodrug that is activated in airway epithelium to des-ciclesonide which has a RRA of 1200 (12 x that of dexamethasone).</li><li>• When compared to oral dexamethasone, inhaled ciclesonide showed no statistically significant suppression of cortisol at any time during a 14 day treatment period</li></ul>	<p><b>POTENT ANTI-INFLAMMATORY with REDUCED RISK OF SYSTEMIC SIDE EFFECTS</b></p> <p>The anti-inflammatory effect of des-ciclesonide is much higher than that of ciclesonide because of the high RRA, local acting effect and lower risk of systemic side effects</p>
<p>Soft Mist™ technology generates a slow moving mist with high concentration of respirable particles that allow the medication to be easily inhaled deep into the lung.</p>	<ul style="list-style-type: none"><li>• Respirable particles that reach the lower airway are defined as particle size &lt;5um</li><li>• Particle size and velocity of inhaled medication can help to decrease potential for particle deposition in the upper airway, and allow particles to follow the flow of air deep into the lung.</li></ul>	<p><b>EASY TO INHALE</b></p> <ul style="list-style-type: none"><li>• Aservo EquiHaler has a high FPF with &gt;90% of particles &lt;5um</li><li>• The mist in Aservo EquiHaler is released at slow velocity (0.8m/sec) over a longer duration (&gt;1 sec) making it easy to inhale</li></ul>
<p>Aservo® EquiHaler® is proven to improve lung function with only a 10 day treatment protocol</p>	<ul style="list-style-type: none"><li>• Inhaled ciclesonide delivered with a Soft Mist™ inhaler significantly improved lung function and clinical scores in horses with severe equine asthma.</li></ul>	<p><b>SHORTENED TREATMENT PROTOCOL</b></p> <ul style="list-style-type: none"><li>• Proof of concept study - In a 14 day moldy hay challenge, horses with severe equine asthma were fed moldy hay throughout the study, and showed significant improvement in lung function when treated 2 x daily with inhaled ciclesonide (as measured by pulmonary resistance)</li></ul>
<p>Aservo® EquiHaler® is designed specifically for horses with an anatomically designed nostril adaptor that fits gently in the nose of the horse for direct delivery of the medicated mist</p>	<ul style="list-style-type: none"><li>• The nostril adaptor fits gently inside the nostril and creates a seal so that the medicated mist is easily inhaled</li><li>• The Aservo® EquiHaler® has an ergonomically designed handle that enables left handed use, leaving the right hand free to comfort the horse</li></ul>	<p><b>DESIGNED WITH THE HORSE IN MIND</b></p> <ul style="list-style-type: none"><li>• Design features like the Breathview® indicator (helps to time the release of the mist with inhalation) have been considered in the ease of use and comfort for the horse</li><li>• High user compliance (&gt;93%) and high acceptance by the horse (&gt;95%)</li></ul>