

ASERVO® EQUIHALER®

A new standard
of care for the
treatment of severe
equine asthma

Introducing the Aservo® EquiHaler® (ciclesonide inhalation solution)



Designed for inhaleABILITY

in·hale·a·bil·it·y

/in'hāl'ə'bilədē/

Having characteristics that allow respirable particles to follow the inhaled airstream deep into the lung. Easy to inhale.

"The new Aservo® EquiHaler® is designed for inhaleability so that treating severe equine asthma is easy, even when breathing is difficult."

The Aservo® EquiHaler®
is designed to consistently deliver
effective treatment —
even when it's hard to breathe



What makes the Aservo® EquiHaler® unique?



Aservo®
EquiHaler®

Soft Mist™ Technology delivers medication in a slow moving mist ¹⁷



Prodrug activated in the airway epithelium ¹⁸



12x greater glucocorticoid receptor affinity than dexamethasone ¹⁸



No statistically significant effects on serum cortisol ^{19, 20}



Accepted by >95% of horses ^{21, 22}



Proven safety and efficacy under controlled and field conditions
in over 600 horses ^{19, 21, 22, 23}



A combination of a novel glucocorticoid (ciclesonide)
and advanced inhalation technology (Soft Mist™ Inhaler)
designed specifically for horses



Ciclesonide

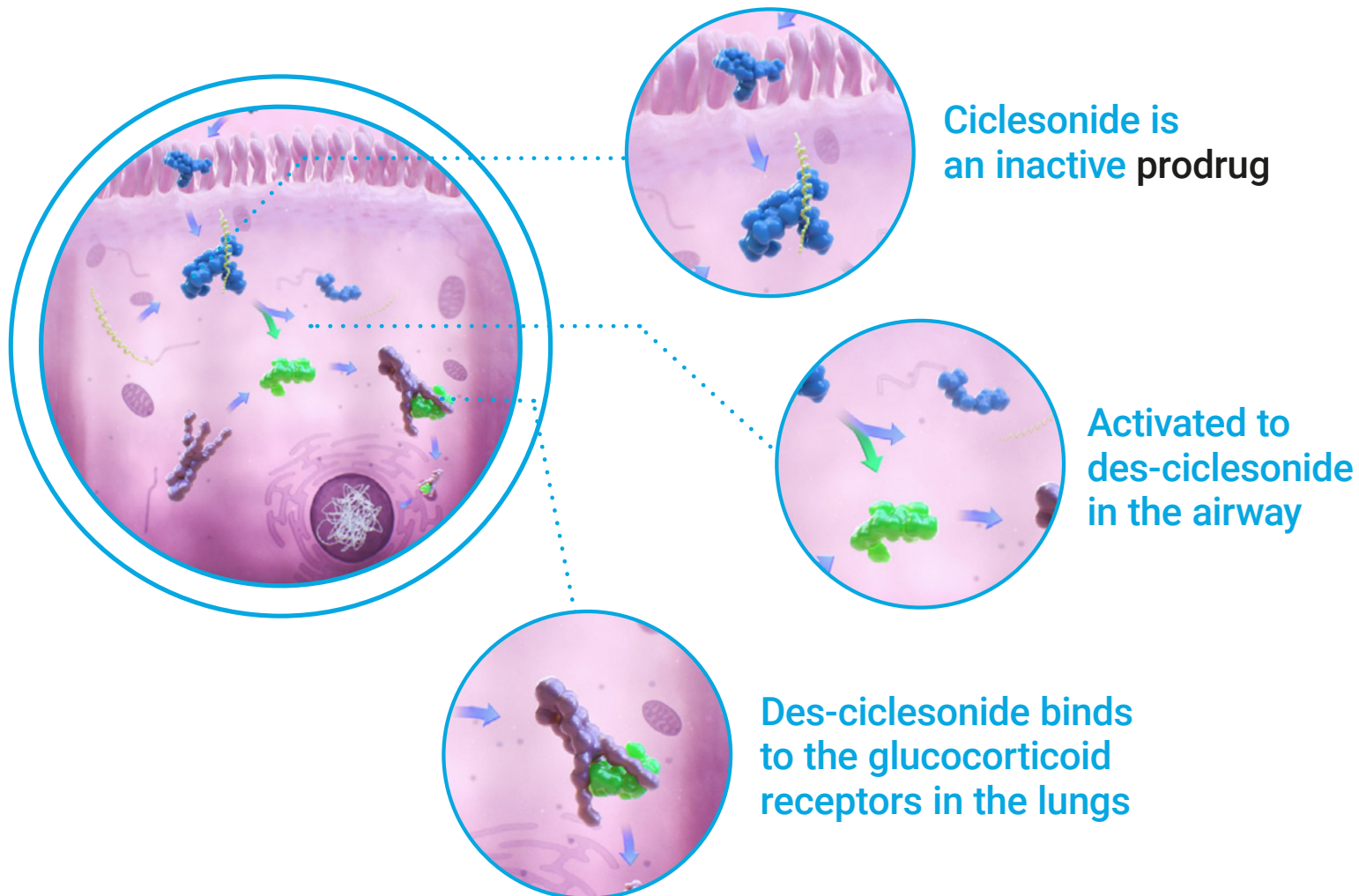


**Soft Mist™
Technology**



**Made for
Horses**

Ciclesonide — what makes it novel ¹⁸



12x

more potent than
dexamethasone¹⁸

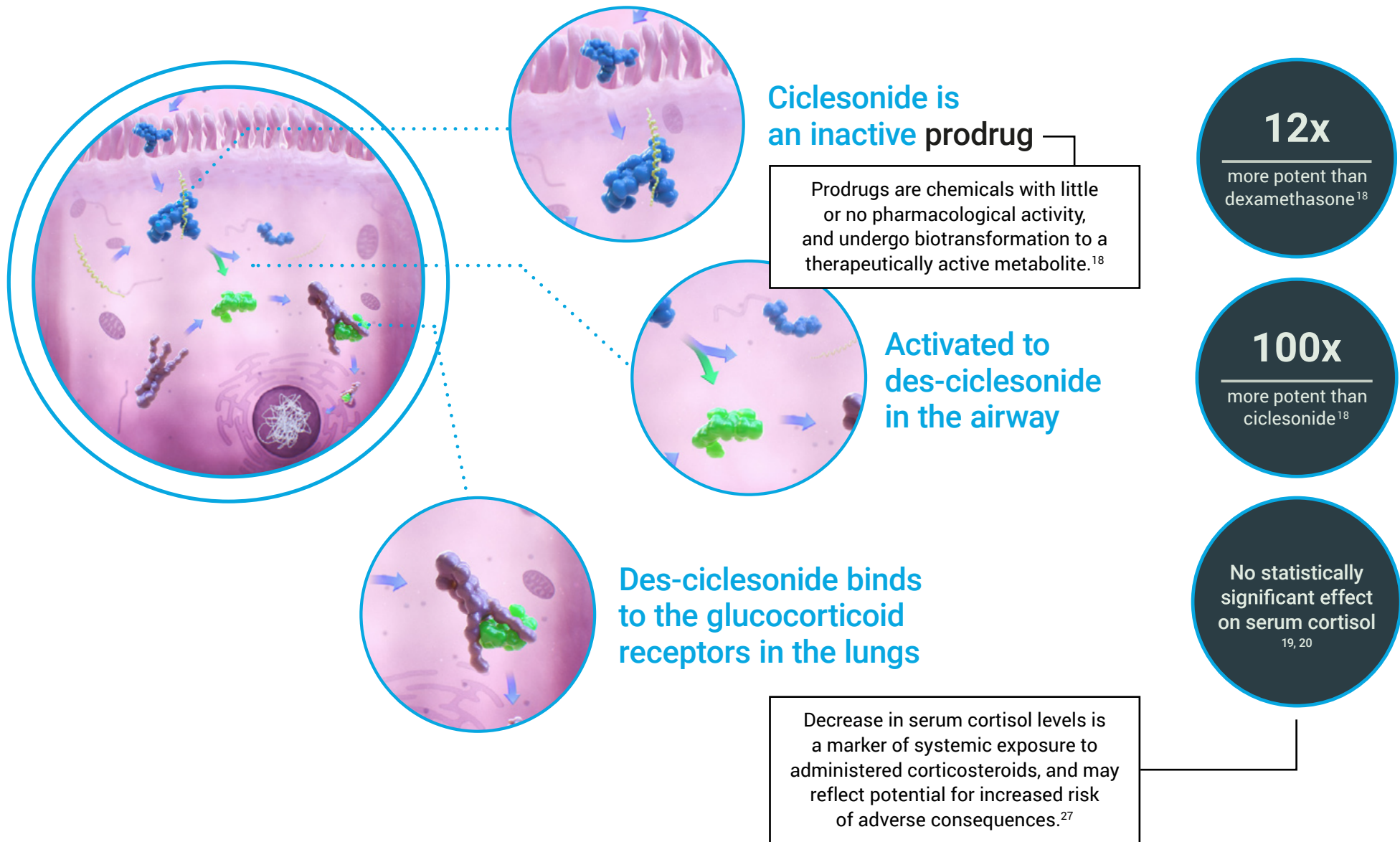
100x

more potent than
ciclesonide¹⁸

No statistically
significant effect
on serum cortisol

^{19, 20}

Ciclesonide — what makes it novel ¹⁸



Soft Mist™ Inhaler (SMI)

Upgrade your patient's inhalation experience



High fine particle fraction



>90% of particles in Aservo® EquiHaler® are <5µm diameter

Optimal size for deep peripheral lung deposition

Low velocity stream



The mist in Aservo® EquiHaler® is released at low velocity (0.8m/sec) for longer duration (>1 sec)²⁴

Easy to inhale
Validated in horses with severe equine asthma¹⁹

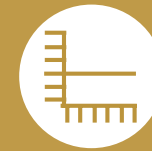
Propellant-free



Mechanical energy of the compressed spring generates the soft mist

Propellant-free inhaler has lower carbon footprint compared to pMDI²⁵

Dosing accuracy

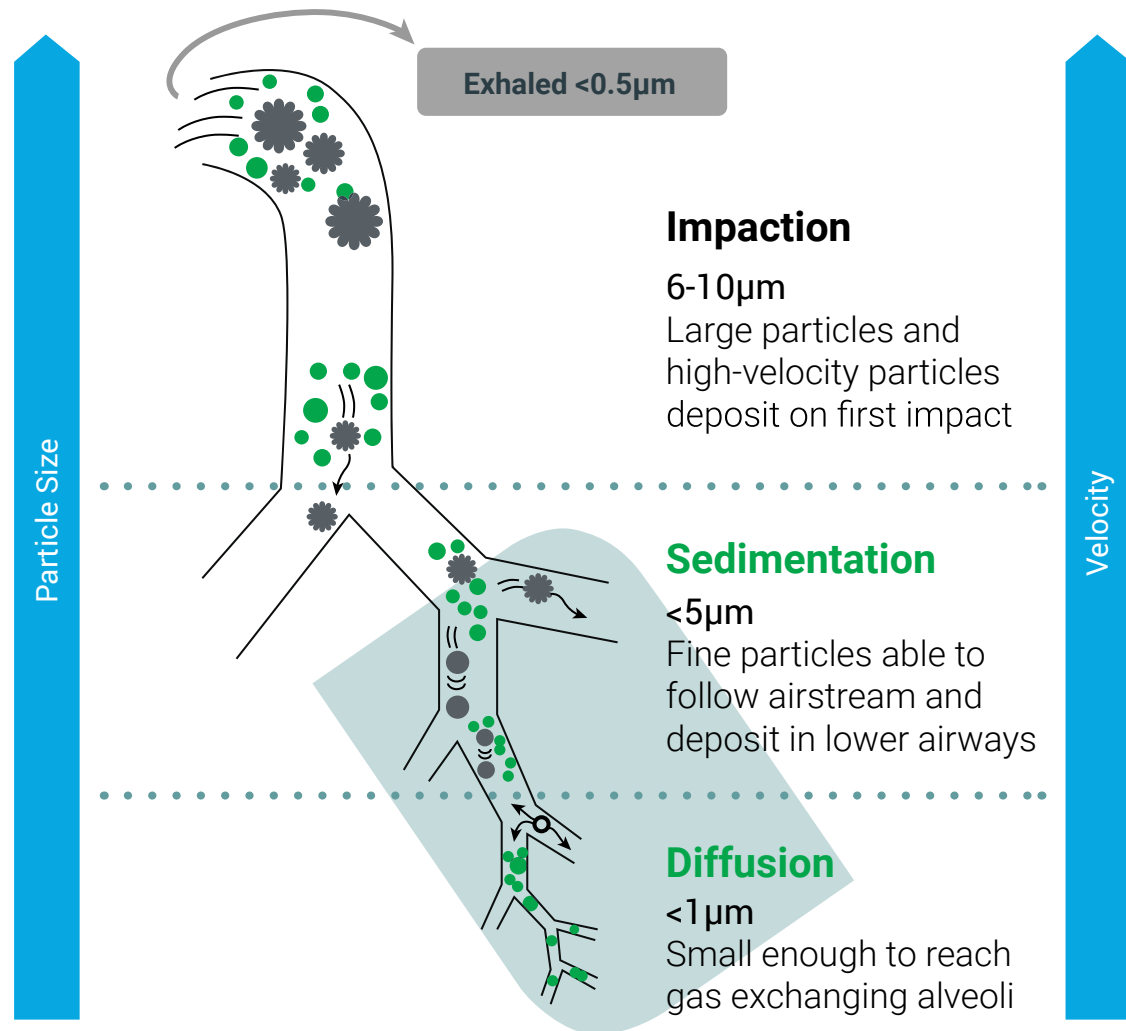


Each actuation consistently delivers a pre-determined dose

Characteristics of inhaled therapies

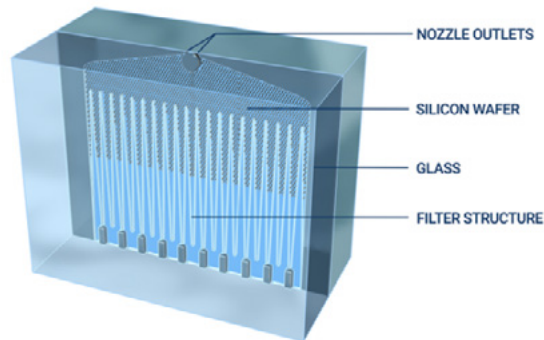
Soft Mist™ Technology =
small particle size x low velocity

Smaller particles (respirable size)
administered at low velocity travel
with inhaled air deep into
peripheral lung²⁶



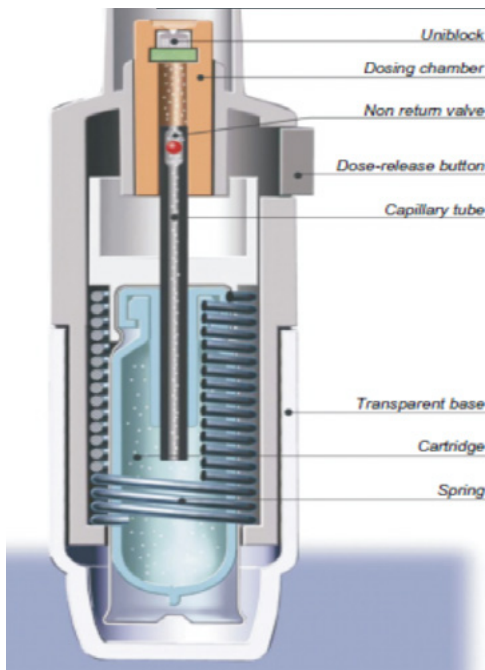
Soft Mist™ Inhaler (SMI)

From humans to horses, the same unique technology is used to generate an easy to breathe, medical mist.



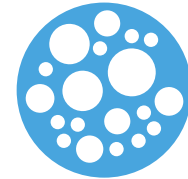
UNIBLOCK TECHNOLOGY

Micro structured system designed to generate two jets that converge at an angle, which turns medication stream into a slow-moving mist.

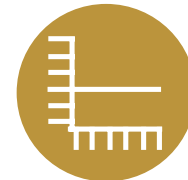


SPRING

Uses mechanical power for drug delivery.



Ideal Particle size



Consistent Dosing



Slow moving mist



Propellant free

Designed for horses, the Aservo® EquiHaler® makes breathing easier.



>95%

Well accepted by
most horses ^{21, 22}

>93%

High owner
compliance ^{21, 22}

EASY TO USE

MADE FOR HORSES

| | | |
|---|------------------------------|---|
| ✓ | Nostril adapter | Snug fit in the equine nostril serves as reservoir for the drug |
| ✓ | BreathView® breath indicator | Easy timing with beginning of inhalation |
| ✓ | Single use | Minimizes risk for cross-contamination between horses |
| ✓ | Single-hand maneuver | Second hand is free to aid in handling the horse |
| ✓ | Simple treatment protocol | One dose fits all |
| ✓ | Fill indicator | Easy monitoring of drug solution level |

Optimize control of inflammation while
minimizing the risk for side effects



Aservo® EquiHaler®

Soft Mist™ is
easily inhaled into
the lower airway¹⁷

Local drug activity
deep within the lung¹⁸

Favorable safety
profile^{19, 20}



Highly potent prodrug
reduces inflammation
to decrease airway
obstruction¹⁸

Accepted by >95%
of horses^{21, 22}

Studied in over 600 horses
under controlled and field
conditions^{19, 21, 22, 23}

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