

CLAS* VIALS, THE PERFECT LINING

CLAS VIALS ALLOW GREAT PRODUCT STABILITY AND EASIER ADMINISTRATION.

- ▶ The hi-tech triple layers make the vial's wall **impervious to water and oxygen**, and **compatible** with organic solvents and sterilisation.
- ▶ Antibiotics in CLAS vials have the same **shelf life** as those in glass vials.
- ▶ CLAS vials have proven to have **33% less impact** on the environment than glass vials.¹

CEVA has designed a **unique ergonomic grip groove**.



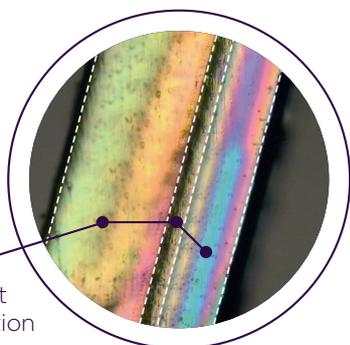
Improved handling.



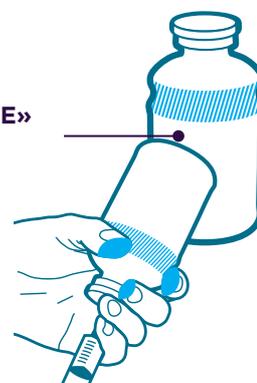
Designed to reduce breakages from accidental drops, preventing injuries and limiting product waste.



3 different layers compatible with solvent ensure the best protection to the product



Unique «**GRIP GROOVE**» shape to improve handzone holding



SHOCK-RESISTANT CLAS VIALS

CEVA has developed innovative shock-resistant CLAS vials, protecting vials from breakage and making it safer and more practical for farm conditions.

After a **120 cm free fall** on reference surface²



100% of
glass vials
BROKEN



100% of
CLAS vials
resistant to
BREAKAGE

Less Breakage

- = reduction in costly loss of product
- = safer for operator and animal
- = no cleaning of broken glass or oily products
- = reduction of contamination risks from broken containers

* CLAS : Ceva Layer Anti Shatter. Ceva Animal Health has developed an innovative type of plastic vials called CLAS which is intended for its products in replacement of the traditional glass vial.

1. Achard, D., Trotebas, S., Jacquet-Lassus, C., & Auffret, V. (2016). *Estimation of the environmental impact of CLAS vials in comparison with glass vials using a life-cycle assessment approach*. Ceva Santé Animale & APESA.

2. Our Shock Resistance protocol: A drop test were performed by Sercovam, an independent company, to assess the resistance to breakage under a 120 cm vertical free fall of filled glass vial to CLAS vial, in standardized quality conditions (NF-EN-ISO-2248). CAVAROC J, et al. - Comparative breakage study of injectable anti-infectives vials under vertical drop test by free fall under standardized conditions. IPVS Congress. 2012, 100.