

A FLORFENICOL THAT'S EASY TO INJECT, EVEN ON COLD MORNINGS....

Florkem®



With the responsible move away from CIAs for the treatment of Bovine Respiratory Disease (BRD), florfenicol is not used in human medicine and is not classified as a critically important antibiotic^{1,2}

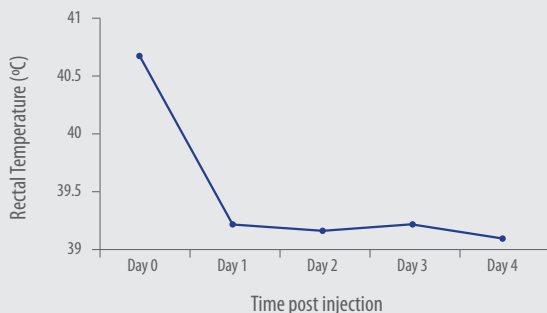
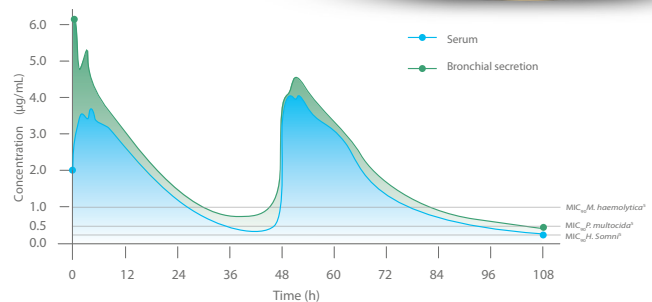
WHAT HAS FLORKEM® GOT TO OFFER?

Rapidly penetrates into bronchial secretions

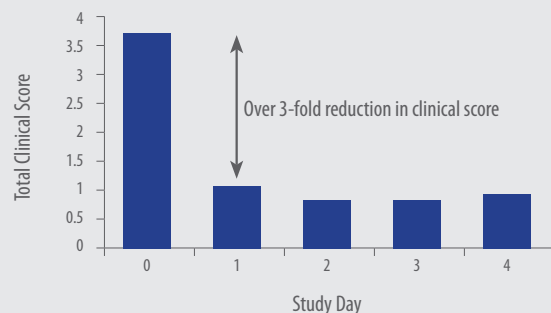
- Maximum concentration reached 2 hours following injection³
- Marked reduction in rectal temperature observed within 24 hours⁴



The graph to the right shows the florfenicol levels in bronchial secretions following intramuscular injection at 0h and 48h³



The graph above shows the early decrease of rectal temperature in calves following florfenicol treatment⁴



The graph above shows the clinical score of calves with BRD decreases over 3 fold within 24 hours following florfenicol treatment⁶



Unparalleled syringeability

- **Florkem®** is easy to inject, even at low temperatures, reducing the chance of dosing errors and possible muscle trauma⁷

Promotes the responsible use of antibiotics

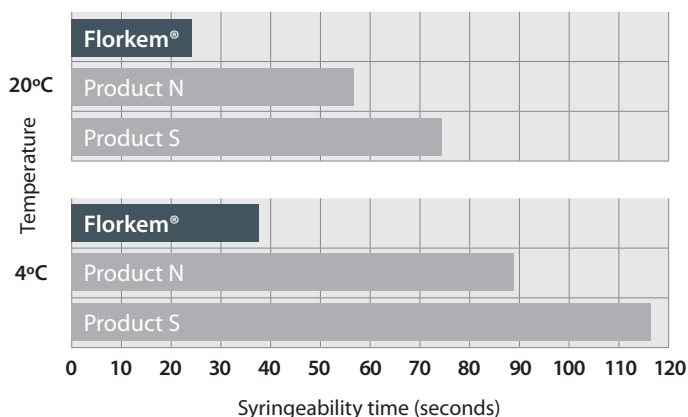
- Not used for the treatment of humans
- Recent European data reported no change in the very high susceptibility in target pathogens⁵

Florkem® is delivered in Ceva CLAS vials:

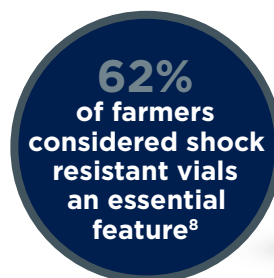
- CLAS vials are shock-resistant resulting in fewer breakages if dropped⁹
- CLAS vials are ergonomically designed¹⁰ and are light-weight for ease of handling¹¹

Florkem® is licenced for:

- Cattle – treatment of respiratory tract infections due to *Mannheimia haemolytica*, *Pasteurella multocida* and *Histophilus somni* susceptible to florfenicol
- Pigs – treatment of acute outbreaks of swine respiratory infections caused by strains of *Actinobacillus pleuropneumoniae* and *Pasteurella multocida* susceptible to florfenicol



The graph above compares the syringeability of Florkem to the florfenicol 'reference product' and a generic at 4°C and 20°C⁷



References: 1. WHO Critically important antimicrobials for human medicine, 5th revision, 2017 • 2. EMA Antimicrobial Resistance in Veterinary Medicine. <https://www.ema.europa.eu/en/veterinary-regulatory/overview/antimicrobial-resistance-veterinary-medicine> • 3. Varma KJ (1994) Microbiology, pharmacokinetic disposition and safety of florfenicol in cattle in Proceedings International Symposium on Bovine Respiratory Disease. World Buiatrics Congress, Toulouse, 18-24. • 4. Thiry J, Rubion S, Sarasola P, Bonnier M, Hartmann M, de Haas V. (2011) Efficacy and safety of a new 450 mg/ml florfenicol formulation administered intramuscularly in the treatment of bacterial bovine respiratory disease. Vet. Rec. Nov 12;169(20):526 • 5. Andres-Lasheras *et al.* 2019. Serotyping and antimicrobial resistance of Mannheimia haemolytica strains from European cattle with bovine respiratory disease. Res Vet Sci 124:10-12 • 6. Hoar BR, Jelinski MD, Ribble CS, Janzen ED, Johnson JC (1998) A comparison of the clinical field efficacy and safety of florfenicol and tilimicosin for the treatment of undifferentiated bovine respiratory disease of cattle in western Canada. Can. Vet. J. 39:161-166. • 7. Manteca C, Lacoste S, Riboud C, Remmy D (2011) Comparison of injectability of 4 different formulations of florfenicol. European Buiatrics Forum, Marseille, 189. • 8. Lacoste (2011) Study Report Ceva Sante Animal Health. GAL-SLA-C581.0-11030-N. • 9. Cavaroc P.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 • 10. S vials reference book (2012). Section 5.2: Artis Factis and Ceva developed hand zone ergonomic study (2003). P16 • 11. CLAS vials reference book (2012). Section 5.4: Comparison of the weight of CLAS vials vs. glass vials showing that CLAS vials are 6 X lighter than glass vials of the same size. P19

FLORKEM® 300 mg/ml solution for injection for cattle and pigs. Each ml contains 300 mg florfenicol. **Legal Category:** UK [POM-V] IE [POM]
Please refer to the product packaging and leaflets for information about side effects, precautions, warnings and contra-indications. Further information is available from the SPC or on the datasheet.

Prescription decisions are for the person issuing the prescription alone. Use medicines responsibly
(www.noah.co.uk/responsible)

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