

Florfenicol and Meloxicam

SCHEDULING STATUS: S4

CURRENTLY COMPOUNDED FORMULATIONS:

Active ingredient(s)	Injectable	Oral equine paste	Oral carnivore paste	Orals for exotics	Oral solution/suspension	Topical treatment	Shampoo	Capsules/Tablets	Oral powder
Florfenicol Meloxicam	✓								

REGISTERED PRODUCT/ TRADE NAME: Nuflor®; Cyflor®; Resflor®; Metacam®; Inflacam®; Vetcam®

PHARMACOLOGICAL CLASSIFICATION: Antimicrobial and non-steroidal anti-inflammatory^[1]

PHARMACOLOGICAL ACTION: Florfenicol has a broad spectrum of activity against many bacteria by binding to the 50S ribosome and thereby inhibiting bacterial protein synthesis. Meloxicam exhibits analgesic, anti-inflammatory and antipyretic activity most likely through inhibition of cyclooxygenase, phospholipase A2 and prostaglandin synthesis. Meloxicam is considered COX-2 preferential.^[1]

INDICATIONS: Used for the treatment respiratory infection where a combination of antimicrobial and anti-inflammatory properties are required in order to reduce clinical symptoms and treat bacteria sensitive to florfenicol.^{[1][4]}

DOSAGE AND DIRECTIONS FOR USE:

CATTLE:

Meloxicam: 0.6 mg/kg BM SC as a single dose^[5]

Florfenicol: 40 mg/kg BM SC as a single dose

WARNINGS/ PRECAUTIONS/ CONTRA-INDICATIONS:

- Do not use in patients with a history of florfenicol sensitivity.^[1]
- Do not use in pregnant and lactating animals.^[1]
- Withdrawal period: 20 days for the dosage recommended above will be a safe withdrawal time.
- Do not administer in conjunction with glucocorticosteroids.^[4]
- Do not administer more than 10 ml per injection site.^[2]

REFERENCES:

1. Plumb's Veterinary Drug Handbook, Sixth edition, by Donald C. Plumb
2. https://www.vetpharm.uzh.ch/wir/00007323/1342_05.htm
3. https://www.vetpharm.uzh.ch/wir/00007323/1342_03.htm
4. IVS desk reference, volume 15, IDR 2019/2020
5. In EMEA's the scientific discussion on meloxicam it is described that cattle were injected with three daily doses of 1.5mg/kg BM without serious adverse reactions (https://www.ema.europa.eu/en/documents/scientific-discussion/metacam-epar-scientific-discussion_en.pdf). Veterinarians consulting for feedlots in South Africa requested that a slightly higher dose than the general recommended 0.5mg/kg BM is used in the combination to increase the duration of action.