Lincocin Forte

Broader spectrum, front-line mastitis treatment

AWA IMAL



Evidence based vet medicines





Genuine synergy between two antibiotics working on different mechanisms in the bacterial cell

Synergistic Effect lincomycin combined with neomycin requires only a fraction of the antibiotic to kill *Staph aureus* compared to each antibiotic alone



MIC₉₀ against *Staphylococcus aureus* for lincomycin, neomycin and lincomycin + neomycin combination demonstrating the synergy of the combination

Broader spectrum against all important NZ mastitis bacteria



High sensitivity against key bacteria

- Proven efficacy against mastitis in NZ
- Unique combination of non-ß lactam antibiotics
- Includes antibiotics not used in dry cow therapies in New Zealand
- Synergistic nature of the combination
- Dual action on bacterial ribosome

The synergy of Lincocin Forte is ideally suited to front-line treatment for mastitis in NZ



Fast, effective formulation

- Small, highly lipophilic molecule
- Lincomycin has good penetration into tissue and leucocytes
- Aqueous base allowing rapid dispersion
- Easy to administer
- Well tolerated by tissues
- Lincomycin crosses milk-blood barrier (and recirculates back into udder tissue)



Aqueous base enables ease of administration

Mastitis pathogen target locations

	MILK/DUCTS	UDDER TISSUE	BLOOD	
Streptococcus agalactiae	+++			acology
Other streptococci	+++	+		y and pharm 138
Staphylococcus aureus	+	+++		astitis therap 19 (2003) 109-
Coagulase-negative staphylococci	+++			F.J. DeGraves M nimal Practise J
Coliforms	+		+++	ine, S. Wagner, / Clinics Food A
Treatment needs to target specific locations				

Cured cows return to the milking herd faster with less milk discarded

Less milk wasted

- Treat at each milking
 (12 hourly for twice a day milking or 24 hourly for once a day milking)
- Three treatments
- Milk withdrawal

5 milkings if twice a day milking (60 hours) 4 milkings if once a day milking (96 hours)

Total milk discarded

Twice day milking 7 milkings (3.5 days in mastitis herd)

Once a day milking 6 milkings (6 days in mastitis herd)

Less stress of having cows in mastitis herd





Persists above MIC for 24 hours after final treatment

