

KALVOCIN

(Antitimikroba spectrum luas)

MENGOBATI

**CRD, CRD COMPLEX, COLIBACILLOSIS,
CORYZA/SNOT, FOWL CHOLERA &
SALMONELLOSIS
PADA UNGGAS**

AKTIFITAS ANTIBIOTIK TERHADAP BAKTERI

Jenis bakteri \ Jenis antibiotik	Gram Positif					Gram Negatif								
	<i>Staphylococcus aureus</i>	<i>Streptococcus agalactiae</i>	<i>Streptococcus dysgalactiae</i>	<i>Corynebacterium pyogenes</i>	<i>Clostridium</i> spp.	<i>Escherichia coli</i>	<i>Salmonella</i> spp.	<i>Klebsiella</i> spp.	<i>Pseudomonas aeruginosa</i>	<i>Bordetella bronchiseptica</i>	<i>Pasteurella</i> spp.	<i>Bacteriodes</i> spp.	<i>Treponema hyodysenteriae</i>	<i>Mycoplasma</i> spp.
Erythromycin	4	4	4	4	3	-	-	-	-	-	-	2	2	4
Tylosin	3	3	4	3	4	-	-	-	-	-	-	2	3	4
Lincomycin	3	3	3	4	2	-	-	-	-	-	-	3	4	3
Spiramycin	2	ND	ND	ND	ND	-	-	-	-	-	-	4	3	4
Oxytetracycline	3	3	2	2	4	3	2	3	-	2	3	4	2	3
Chlortetracycline	3	3	2	4	4	3	2	3	-	3	3	4	2	3
Fluoroquinolone	4	4	4	4	4	4	4	4	4	3	4	3	3	4
Sulfa + TMP	4	2	2	4	-	4	4	3	-	4	4	-	-	-

KOMPOSISI & KEMASAN

- **Komposisi:**

- Tiap kg KALVOCIN mengandung

- Levofloxacin 150 g
 - Carrier & pelarut ad. 1000 g

- **Kemasan**

- Sachet alufoil 100 gram, setiap karton isi 30 sachet
 - **Gusset/bag alufoil 1000 gram (isi 10 kantong plastik susu @ 100 g), setiap dus/box isi 12 gusset**
 - Pail/ember plastik 5 kg isi 10 gusset alufoil @ 500 g
 - Drum plastik 25 kg isi 50 gusset alufoil @ 500 g

INDIKASI

Indikasi

- Pengendalian dan pengobatan penyakit pernafasan akut maupun kronis pada unggas yang disebabkan oleh bakteri Gram +, Gram - maupun bakteri Atypical seperti:
 - CRD (*Chronic Respiratory Disease*)
 - CCRD (*complicated CRD*)
 - Coryza (snot) dan penyakit pernafasan lainnya
- Juga untuk mengobati penyakit pencernaan maupun saluran kemih akibat infeksi:
 - *Collibacillus*,
 - *Salmonella*,
 - *Enterobacteriaceae*,
 - *Staphylococcus*,
 - *Pasteurella*
 - *Clostridium*,
 - *Chlamydia*, etc.

DOSIS & CARA PAKAI

Unggas:

- 1 g KALVOCIN per 3 liter air minum atau
- 1 g KALVOCIN per 15 kg berat badan,

Babi & anak sapi:

- 3 g KALVOCIN per 45 kg berat badan melalui oral

Pemberian obat: 2 kali/hari selama 5-7 hari berturut-turut

DESKRIPSI

- **KALVOCIN** (*Levofloxacin*): antimikroba spektrum luas (*fluoroquinolone 3rd*) yang merupakan isomer L dari ofloxacin dan memiliki aktivitas 2 (dua) kali lebih aktif dibandingkan ofloxacin.
- Levofloxacin disebut "***respiratory quinolone***" karena merupakan **pilihan utama** pengobatan penyakit saluran pernafasan pada unggas.

DESKRIPSI

Spektrum aktivitas antibakteri

- *Levofloxacin* : broad spektrum terhadap bakteri:
 - **Gram positif** (seperti: *Streptococcus*, *Staphylococcus*)
 - **Gram negatif** (seperti: *Haemophilus*, *Enterobacteriaceae*),
 - **Bakteri atypical** (seperti: *Chlamydia*, *Mycoplasma*).
- Aktivitas bakterisidal *Levofloxacin* semakin kuat dan meningkat dengan memaksimalkan konsentrasinya (*concentration dependent*),

FLUOROQUINOLONE

Second Generation

Ciprofloxacin

Enoxacin

Lomefloxacin

Nadifloxacin

Norfloxacin

Ofloxacin

Pefloxacin

Enrofloxacin

Rufloxacin

Third Generation

Balofloxacin

Gatifloxacin

Grepafoxacin

Levofloxacin (KALVOCIN)

Moxifloxacin

Pazufloxacin

Sparfloxacin

Temafloxacin

Tosufloxacin

FLUOROQUINOLONE

Classification	Agents	Antimicrobial spectrum	General clinical indications*
First generation	Nalidixic acid Cinoxacin	Gram-negative organisms (but not Pseudomonas species)	Uncomplicated urinary tract infections
Second generation	Norfloxacin Lomefloxacin Enoxacin Ofloxacin Ciprofloxacin	Gram-negative organisms (including Pseudomonas species), some gram-positive organisms (including Staphylococcus aureus but not Streptococcus pneumoniae) and some atypical pathogens	Uncomplicated and complicated urinary tract infections and pyelonephritis, sexually transmitted diseases, prostatitis, skin and soft tissue infections
Third generation	Levofloxacin (KALVOCIN) Sparfloxacin Gatifloxacin Moxifloxacin	Same as for second-generation agents plus expanded gram-positive coverage (penicillin-sensitive and penicillin-resistant S. pneumoniae) and expanded activity against atypical pathogens (Mycoplasma spp.)	Same as for first- & second-generation agents plus Acute exacerbations of chronic bronchitis, community-acquired pneumonia
Fourth generation	Trovafloxacin	Same as for third-generation agents plus broad anaerobic coverage	Same as for first-, second- and third-generation agents (excluding complicated urinary tract infections and pyelonephritis) plus intra-abdominal infections, nosocomial pneumonia, pelvic infections