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| **NAME** | **ACTIVE INGREDIENT** | **MODE OF ACTION** | **SIDE EFFECTS** | **DOSAGE +CONCENTRATION** | **ROUTE OF ADMINISTRATION** | **WITHDRAWAL TIKE FOR MEAT** | **WITHDRAWAL TIME FOR MILK** |
| Gentamycin 100 | 100mg Gentamycin per ML | Active against both gram – and gram + bacteria by interrupting protein synthesis | * Gentamycin hypersensitivity * Renal function impairment * Hepatic function impairment * Hearing loss * Facial swelling * Pain at injection site * Vomiting * Diarrhoea | **Cattle, horse, sheep:** 2-4 ml/100 kg bodyweight  **Pigs:** 1-2 ml/50 kg bodyweight  **Poultry:** 5-10 mg/kg bodyweight | IM  IV  SQ | 7days | 3days |
| Amoxicillin | Amoxicillin | Bactericidal -Inhibits cell wall growth of both gram – and gram + bacteria by disrupting peptidoglycan lining | * Hypersensitivity reactions * GI effects * Neurotoxicity | **Oral: dogs and cats:** 11 to 20 mg of  Amoxicillin per kg of body  weight every eight to twelve hours. | Oral  IV | 18 days- cattle  10 days- ovine  16 days- swine | 10days |
| Cefokel | Ceftiofur 50mg | Bactericidal – inhibits bacterial cell wall synthesis against bot gram – and gram + bacteria |  | **Pigs:**  3 mg ceftiofur /kg bw/day for 3 days via intramuscular route, i.e. 1 ml/16 kg bw  at each injection  **Cattle** : 1 mg ceftiofur /kg bw/day for 3 to 5 days by subcutaneous  injection, i.e. 1 ml/50 kg bw at each injection. | IM  SQ | Pigs:  Meat and offal: 5 days.  Cattle:  Meat and offal: 8 days. | - |
| Combikel | (Procaine Benzyl- penicillin, Dihydro-streptomycin) | Bactericidal against gram + and gram - strains | * Hypersensitivity reactions * Kidney impairment | **Cattle:** 0.05-0.1ml/kg.  **Horses, Pigs:** 0.1ml/kg | SQ  IM | 3days | - |
| Trisul-kel | (Trimethoprim/ Sulfa-methoxazole) | Sulphonamide which interferes with bacteria DNA and RNA by blocking nucleic acid formation | * Hypersensitivity reactions * Anaemia * Hepatic impairment | **Horses:** 15-30 mg/kg  **Swine:** 48mg/kg  **Cattle:** 25mg/kg | IM  IV | 10days | 4days |
| Anflox | Norfloxacin | **Quinolones which is bactericidal against Gram-negative bacteria** | * Hypersensitivity reaction * Hepatic impairment * Renal impairment | **Calves, goats, sheep, swine:    1 ml. per 10 kg. body weight for 3 - 5 days. Cattle:    1 ml. per 20 kg. body weight for 3 - 5 days.** | IM  ORAL  AEROSOL  IV | 8days | 4days |
| Enroflux 8% | Enrofloxacin | Fluoroquinolone which inhibits the process of DNA synthesis within bacterial cells an causes cell death | * Hypersensitivity reactions * Kidney impairment * Liver impairment * GI upset | **Cattle, sheep, pig:**   0.05ml per kg of body weight, once or twice a day, continuously for 2-3 days. Dogs**, cats and rabbits:** 0.05ml-0.1ml per kg of body weight, once or twice a day, continuously for 2-3 days | IM  ORAL  IV | 10days | - |
| Oxytet LA | Oxytetracycline | Effective against both gram – and gram + strains by reversible binding to the bacterial 30S ribosomal subunit, thus preventing ribosomal translation | * injection site swelling * restlessness * ataxia * trembling * swelling of eyelids, ears, muzzle, anus * respiratory abnormalities | |  |  | | --- | --- | | **Cats, dogs** | :7 mg/kg, | | IM  IV | 26 days | 4days |
| Anupco : Tylosin 200 | Tylosin | A macrolide which is Bacteriostatic against gram – and gram +strains by inhibition of protein synthesis through binding to the [50S](https://en.wikipedia.org/wiki/50S) subunit of the bacterial [ribosome](https://en.wikipedia.org/wiki/Ribosome). | * Hypersensitivity reactions * Injection site irritation with necrosis | **Calves, Ovine, pig, dog and cat:** 0.025-0.065ml per kg of body weight, twice a day, continuously for 5 days | IM | 14 days | 5days |
| Procaine Pencicillin G | Procaine benzylpenicillin | Bactericidal against gram + bacteria | * pain at the site of injection * [blood clotting problems](https://en.wikipedia.org/wiki/Blood_clotting_problems) * [seizures](https://en.wikipedia.org/wiki/Seizures) * [allergic reactions](https://en.wikipedia.org/wiki/Allergic_reaction) including [anaphylaxis](https://en.wikipedia.org/wiki/Anaphylaxis) | **Beef Cattle:** 2 mL per 150 lb body weight given subcutaneously only. Treatment should be repeated in 48 hours. | IM  SQ- for beef cattle only | 30 days | 3 days |