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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 | IMIVSQ | 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. | OralIV | 18 days- cattle10 days- ovine16 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. | IMSQ | 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 | SQIM | 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  | IMIV | 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.** | IMORALAEROSOL 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 | IMORALIV | 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
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| **Cats, dogs** | :7 mg/kg, |

 | IMIV | 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. | IMSQ- for beef cattle only  | 30 days | 3 days |