

# National Essential Veterinary Medicine List - 2023

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| S.N. | Class of Drug                                 | Main drug name         | Complementary drug name | Dosage form              | Presentation                                                   | Indications                                                                                                                                       | Category  |
|------|-----------------------------------------------|------------------------|-------------------------|--------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 1.0  | Anesthetic/Sedatives/Tranquilizers and oxygen |                        |                         |                          |                                                                |                                                                                                                                                   |           |
| 1.1  | Inhalant anaesthetics                         | Halothane              |                         | Inhalation               | 4-6% and 1-1.5%, 30ml, 50ml, 200ml, 250 ml                     | General anaesthesia for clinical and surgical procedures                                                                                          | Essential |
|      |                                               | Isoflurane             |                         | Inhalation               | 99.9% or 1ml/ml (100 ml, 250 ml)                               | General anaesthesia for clinical and surgical procedures                                                                                          | Essential |
|      |                                               |                        | Sevoflurane             | Inhalation               | 3ml vial                                                       | General anaesthesia for clinical and surgical procedures                                                                                          | Essential |
| 1.2  | Dissociative anaesthetic                      | Ketamine               |                         | Injection                | 10mg/ml, and 50mg/ml : 2ml, 10 ml, 20 ml                       | Anaesthesia, immobilization for clinical examination and surgical procedures                                                                      | Essential |
| 1.3  | Barbiturate                                   | Thiopental sodium      |                         | Injection                | 500mg, 1gm                                                     | General anaesthesia in major and minor surgical procedures                                                                                        | Essential |
| 1.4  | Non Barbiturate                               | Propofol               |                         | Injection                | 1% (10 mg/ml): 10ml, 20ml                                      | General anaesthesia in major and minor surgical procedures                                                                                        | Essential |
| 1.5  | Oxygen                                        | Oxygen                 |                         | Inhalation (Medical gas) |                                                                | Medical and surgical conditions Requiring oxygen                                                                                                  | Essential |
| 1.6  | Local anaesthetic                             | Bupivacaine            |                         | Injection                | 0.25%, 0.5%, 1%, 20ml and 2 ml                                 | Infiltration anaesthesia, surface anaesthesia, nerve block, regional anaesthesia, epidural anaesthesia to facilitate clinical/surgical procedures | Essential |
|      |                                               | Lidocaine              |                         | Injection                | 1%, 2%, 5% injection in vials                                  | Infiltration anaesthesia, surface anaesthesia, nerve block, regional anaesthesia, epidural anaesthesia to facilitate clinical/surgical procedures | Essential |
|      |                                               |                        |                         | Topical                  | 2% (w/w)                                                       |                                                                                                                                                   | Essential |
|      |                                               | Lidocaine+ Epinephrine |                         | Injection                | 2% (as hydrochloride or sulfate)+ epinephrine 1:200000 in vial |                                                                                                                                                   | Essential |

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| 1.7  | Sedative/Pre-anaesthetic                                    | Xylazine hydrochloride    |                         | Injection                     | 2% : 2ml, 10ml, 30ml, 50 ml                                                                                | Induce sedation, analgesia, muscle relaxation, and immobilization of excited animals | Essential |
|      |                                                             | Atropine sulphate         |                         | Injection                     | 1mg/ml : 1 ml ampoule, 10 ml, 30 ml, 100ml                                                                 | Pre-anaesthetic                                                                      | Essential |
| 1.8  | Antidotes of sedatives                                      | Yohimbine hydrochloride   |                         | Injection                     | 10mg/ml : 10 ml                                                                                            | Complete reversal of anaesthetics effects of Xylazine HCL                            | Essential |
|      |                                                             | Atipamezole hydrochloride |                         | Injection                     | 5 mg/ml : 10 ml                                                                                            |                                                                                      | Essential |
| 1.9  | Sedatives and Tranquilizers                                 | Atropine hydrochloride    |                         | Injection                     | 10mg/ml : 10 ml                                                                                            | Immobilization of non-domestic and wild species like Rhino, elephant                 | Emergency |
|      |                                                             | Lorazepam                 |                         | Tablet/ Injection             | 0.5 mg, 1mg, 2mg, Inj: 2mg/ml in 1 ml and 2 ml                                                             | Anxiety and fear related disorders                                                   | Emergency |
|      |                                                             | Alprazolam                |                         | Tablet                        | 0.25mg, 0.5mg, 1mg                                                                                         | Anxiety and fear related disorders                                                   | Essential |
|      |                                                             | Chlorpromazine            |                         | Tablet, Injection             | Tablet: 10mg, 25mg, 50mg, 100mg; Injection: 2.5%w/v(50mg/2ml) in 1 ml ampoule                              | Preanaesthetic, immobilisation of animal                                             | Essential |
|      |                                                             | Triflupromazine           |                         | Tablet, Injection             | Tablet: 5mg, 10mg, Injection: 20mg/ml in 5 ml vial                                                         | Preanaesthetic, immobilisation of animal                                             | Essential |
| 2.0  | Steroidal and Non-steroidal antiinflammatory drugs (NSAIDs) | Dexamethasone             |                         | Injection, Tablet             | Injection(4 mg/ml): 5ml, 10ml, 30 ml, Tablet: 0.5 mg, 1mg, 2mg, 4 mg                                       | Anti-Inflammatory, arthritis, shock, tissue damage, toxemia etc                      | Essential |
|      |                                                             | Prednisolone              |                         | Injection, Tablet             | 1% solution: 10 ml vial, Tablet: 5 mg, 10 mg, 20 mg, 40 mg                                                 | Anti-Inflammatory                                                                    | Essential |
|      |                                                             | Betamethasone             |                         | Injection                     | 4mg/ml: 5ml, 10ml                                                                                          | Anti-Inflammatory, arthritis, shock, tissue damage, toxemia etc                      | Essential |
|      |                                                             | Meloxicam                 |                         | Tablet, Injection, Suspension | Tablet: 100mg, Injection: 5mg/ml in 2ml, 10ml, 30ml, 100 ml vials Oral Suspension: 1.5 mg/ml in 10 ml pack | Pyrexia of Unknown origin (PUO)                                                      | Essential |
|      |                                                             | Tolfenamic acid           |                         | Injection                     | 40 mg/ml in 30ml vial                                                                                      | Pyrexia of unknown origin                                                            | Essential |
|      |                                                             | Paracetamol               |                         | Injectable, tablet, bolus     | Injection (1mg/ml): 10 ml, 30ml, Tablet: 150mg, 1.5g                                                       | Pyrexia of Unknown origin                                                            | Essential |
|      |                                                             | Triamcinolone acetoneide  |                         | Tablet, Injectable            | Tablet: 4mg, Injection (40mg/ml): 1ml, 10ml                                                                | Arthritis, tendosynovitis, myositis etc                                              | Essential |
|      |                                                             | Flunixin meglumine        |                         | Injectable                    | 50mg/ml, 10 ml, 30 ml, 100 ml                                                                              | PUO, Analgesia                                                                       | Essential |

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| 2.0  | Steroidal and Non-steroidal antiinflammatory drugs (NSAIDs) | Tramadol                 |                         | Tablet, Injection                 | Tablet :50mg,Injection (50mg/ml) : 10 ml                                      | Pain, perioperative analgesia                                          | Essential |
|      |                                                             | Acetyl salicylic acid    |                         | Tablet, Bolus                     | 100mg, 150mg, 15gm                                                            | Inflammation,pain and pyrexia, platelets disaggregation                | Essential |
|      |                                                             |                          | Fentanyl                | Injection                         | 50mcg/ml - 2 ml, 10 ml vial                                                   | Pain                                                                   | Essential |
|      |                                                             | Morphine                 |                         | Tablet, Injection,Liquid          | Tablet: 10mg,30mg,60mg, Injection (10mg/ml) in 1 ampoule,2 mg/ml in 1 ml vial | Pain                                                                   | Emergency |
|      |                                                             | Pethidine                |                         | Injection                         | 50mg/ml -1 ml                                                                 | Pain                                                                   | Essential |
| 3.0  | Expectorants and Bronchodilators                            | Aminophylline            |                         | Tablet,injection                  | Tablet: 100mg,Injection (25mg/ml): 10 ml, 20 ml                               | Bronchial asthma                                                       | Essential |
|      |                                                             | Bromhexine               |                         | Tablet, Oral suspension           | Tablet: 8mg, Suspension: 4mg/ml                                               | Expectorant, mucolytic                                                 | Essential |
|      |                                                             | Salbutamol               |                         | Tablet, syrup                     | 2mg,4mg, 2mg/5ml                                                              | Brochospasm                                                            | Essential |
|      |                                                             | Theophylline             |                         | Tablet, Capsule, Syrup, Injection | Tablets: 100mg,300mg, Syrup: 80mg/5ml,Injection: 50.6mg/2ml                   | Bronchial asthma                                                       | Emergency |
| 4.0  | Antihistamines for anaphylaxis                              | Chlorpheniramine maleate |                         | Injection (10mg/ml)               | 30ml,50ml,100ml                                                               | Eczema, urticaria, photo dermatitis,rhinitis, other allergic disorders | Essential |
|      |                                                             | Cetirizine               |                         | Tablet                            | 10mg                                                                          | allergic disorders                                                     | Essential |
|      |                                                             |                          | Pheniramine maleate     | Injection (22.75mg/ml)            | 10ml,30ml,100ml                                                               | Eczema, urticaria, photo dermatitis,rhinitis, other allergic disorders | Essential |
| 5.0  | Antidotes                                                   | Atropine sulphate        |                         | Injection                         | 1mg/ml:10 ml,30ml,100ml                                                       | Organophosphate poisoning                                              | Essential |
|      |                                                             | Pralidoxime              |                         | Injection                         | 500mg, 1gm                                                                    | Organophosphate poisoning                                              | Essential |
|      |                                                             | Activated charcoal       |                         | Powder, Liquid                    | 50 gm 100 gm                                                                  | Non-specific antidote                                                  | Essential |
|      |                                                             | Dimercaprol              |                         | Injection                         | 100mg/2ml                                                                     | Heavy metal poisoning                                                  | Essential |
|      |                                                             | Naloxone                 |                         | Injection                         | 400mcg/ml: 1 ml,10 ml                                                         | Opioid poisoning                                                       | Emergency |
|      |                                                             | Penicillamine            |                         | Tablet                            | 250mg                                                                         | Heavy metal poisoning                                                  | Emergency |

  
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| 5.0  | Antidotes                     | Deferoxamine                          |                         | Injection                | 500mg                                                               | Iron Poisoning                                   | Emergency |
|      |                               | Sodium thiosulphate                   |                         | Solution                 | 250 mg/ml- 50 ml                                                    | Cyanide Poisoning                                | Essential |
|      |                               | Sodium nitrite                        |                         | Injection                | 30mg/ml in 10 ml ampoule                                            | Cyanide Poisoning                                | Essential |
|      |                               | Vitamin K1 (Phytomenadione)           |                         | Tablet, Injection        | Tab,5mg; Injection: 10mg/ml in 1 ml Ampoule                         | Warfarin toxicity                                | Emergency |
|      |                               | Methylene blue                        |                         | Injection                | 1% w/v(10mg/ml)in 10 ml ampoule                                     | Nitrate/nitrite poisoning                        | Essential |
|      |                               | Calcium EDTA (Sodium calcium edetate) |                         | Injection                | 200mg/ml in 5ml ampoule                                             | Lead poisoning                                   | Essential |
|      |                               | Atipamezole                           |                         | Injection                | 5mg/ml in 10 ml                                                     | Reverse the effect of Ketamine                   | Emergency |
| 6.0  | Anticonvulsant/Antiepileptics | Diazepam                              |                         | Tablet, Syrup, Injection | Tablet: 5mg, 10mg, Injection: 5mg/ml - 2ml, 10 ml                   | Status epilepticus, convulsions due to poisoning | Essential |
|      |                               |                                       | Carbamazepine           | Tablet,syrup             | 200mg,400mg, 100mg/5ml                                              | Limbic or partial seizures                       | Emergency |
|      |                               |                                       | Clonazepam              | Tablet                   | 0.5mg, 2mg                                                          | Epilepsy                                         | Emergency |
|      |                               | Phenobarbitone                        |                         | Tablet, Injection        | 15 mg,30mg,60mg, Injection: 200mg/ml                                | Convulsive seizures                              | Essential |
|      |                               | Phenytoin                             |                         | Tablet, Injection        | 100mg, 50mg/ml in 5 ml vial                                         | Status epilepticus                               | Essential |
|      |                               |                                       | Primidone               | Tablet                   | 250mg                                                               | Epilepsy                                         | Emergency |
|      |                               |                                       | Valproic acid           | Tablet,syrup             | 200mg, 200mg/5ml                                                    | Status Epilepticus                               | Emergency |
| 7.0  | Antiemetics                   | Domperidone                           |                         | Tablet,suspension        | 5mg,10mg, 1mg/ml                                                    | Vomition                                         | Essential |
|      |                               | Metoclopramide                        |                         | Tablet,Injection, Liquid | Tablet: 10mg, Injection:5mg/ml in 2 ml                              | Vomition                                         | Essential |
|      |                               | Ondansetron                           |                         | Injection, Tablet, Syrup | 2mg/ml in 2 ml, 4 ml, Tablet: 2mg, 4 mg, 8mg Syrup: 10 mg/ml        | Vomition                                         | Essential |
|      |                               |                                       | Promethazine            | Tablet,Injection, Syrup  | 25mg, 10mg, Injection: 25mg/ml in 2ml ampoule, Oral liquid: 5mg/5ml | Vomition                                         | Essential |
|      |                               |                                       | Triflupromazine         | Tablet,Injection         | 5mg, 10mg, 20mg/ml                                                  | Vomition                                         | Essential |

  
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| 8.0  | Antispasmodic                                     | Hyoscine butylbromide           |                         | Tablet, Injection, Suspension | Tablet: 10mg, 20mg Injection: 20mg/ml in 1ml ampoule | Spasmodic pain                                                        | Essential |
|      |                                                   | Dicyclomine                     |                         | Injection                     | 10mg/ml, 30ml                                        | Colic pain, spasmodic pain                                            | Emergency |
| 9.0  | Antineoplastic                                    | Vincristine                     |                         | Powder for Injection          | 1mg in vial                                          | Transmissible venereal tumour, lymphosarcoma, immune thrombocytopenia | Essential |
|      |                                                   | Vinblastine                     |                         | Powder for Injection          | 10 mg in vial                                        | Lymphoproliferative disorders and mast cell tumours                   | Essential |
|      |                                                   | Cisplatin                       |                         | Injection                     | 10mg, 20mg in vial                                   |                                                                       | Emergency |
| 10.0 | Antiarrhythmic/Antihypertensive/Vasodilator drugs | Atenolol                        |                         | Tablet                        | 25mg, 50mg, 75mg, 100mg                              | Atrial and ventricular arrhythmia, hypertension                       | Emergency |
|      |                                                   | Metoprolol                      |                         | Tablet, Injection             | 25mg, 50mg, 100mg, 1mg/ml in 5ml                     | Atrial and ventricular arrhythmia, hypertension                       | Emergency |
|      |                                                   | Propranolol                     |                         | Tablet                        | 10mg, 40mg, 80mg                                     | arrhythmia                                                            | Essential |
|      |                                                   | Enalapril                       |                         | Tablet                        | 2.5mg, 5mg, 10mg, 20mg                               | Hypertension                                                          | Essential |
|      |                                                   |                                 | Ramipril                | Tablet                        | 1.25mg, 2.5mg, 5mg, 10mg                             | CHF, Hypertension                                                     | Emergency |
|      |                                                   | Amlodipine                      |                         | Tablet                        | 2.5mg, 5mg, 10mg                                     | Hypertension                                                          | Emergency |
|      |                                                   | Sodium nitroprusside            |                         | Injection                     | 50mg/5ml                                             | Short term vasodilation in severe CHF                                 | Essential |
| 11.0 | Cardiotonic glycoside                             | Digoxin                         |                         | Tablet, Injection             | 0.25mg, 0.5mg/2ml                                    | Atrial tachycardia, CHF                                               | Essential |
| 12.0 | Haemostatics                                      | Tranexamic acid                 |                         | Tablet, injection             | Tablet: 500mg, Injection: 500mg/5ml                  | Antifibrinolytic, Aids in coagulation                                 | Essential |
|      |                                                   | Adrenaline                      |                         | Liquid                        | 1mg/ml, 30 ml                                        | Topical application                                                   | Essential |
|      |                                                   | Adrenochrome monosemi carbazone |                         | Injection                     | 750mcg/ml in 2ml Ampoule                             | Haemorrhages of various origin                                        | Essential |
|      |                                                   | Ethamsylate                     |                         | Injection                     | 125 mg/ml, 250mg/ml                                  | Haemorrhages of various origin                                        | Essential |
| 13.0 | Systemic anticoagulants                           | Heparin                         |                         | Injection                     | 1000IU/ml, 5000IU/ml, 20000IU/ml in 1 ml ampoule     | Systemic anticoagulation                                              | Essential |
|      |                                                   | Warfarin                        |                         | Tablet                        | 1mg, 2mg, 5mg                                        | Systemic anticoagulation                                              | Essential |
|      |                                                   | Enoxaparin                      |                         | Injection                     | 20mg/0.2ml, 60mg/0.6ml, 80mg/0.8ml                   | Systemic anticoagulation                                              | Emergency |

  
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| 14.0 | Hematinics                          | Iron dextran                     |                         | Injection            | 50mg/ml in 2ml ampoule | Iron deficiency anemia                               | Essential |
| 15.0 | Muscle relaxants                    |                                  | Atracurium              | Injection            | 10mg/ml                | Recover neuromuscular blockade following anaesthesia | Essential |
|      |                                     | Neostigmine                      |                         | Tablet, injection    | 15mg, 0.5mg/ml         | Myaesthesia gravis, urinary retention                | Emergency |
|      |                                     | Xylazine hydrochloride           |                         | Injection            | 2%, 10%                | Muscle relaxation                                    | Essential |
|      |                                     | Suxamethonium (succinyl choline) |                         | Injection            | 50 mg/ml in 10 ml vial | Muscle relaxation                                    | Essential |
|      |                                     | Vecuronium                       |                         | Powder for Injection | 4 mg, 10 mg            |                                                      | Emergency |
| 16.0 | Hormones and endocrine preparations | Cloprostenol (PGF2alpha)         |                         | Injection            | 2ml                    | Anestrus, subestrus, luteal cyst                     | Essential |
|      |                                     |                                  | Dinoprost (PGF2alpha)   | Injection            | 1ml, 5ml               | Anestrus, subestrus, luteal cyst                     | Emergency |
|      |                                     | Hydroxy progesterone caproate    |                         | Injection            | 250mg/ml               | Delayed ovulation, postpartum anestrus               | Essential |
|      |                                     | Gonadotropin releasing hormone   |                         | Injection            | 1ml, 2.5ml, 5ml, 10 ml | Follicular cyst, anovulation, delayed ovulation      | Essential |
|      |                                     | Estradiol                        |                         | Tablet, Injection    | 1mg, 10mg/ml           | Induce estrus, parturition                           | Essential |
|      |                                     | Oxytocin                         |                         | Injection            | 5IU/0.5ml, 5IU/ml      | Induction of parturition, Milk let down              | Emergency |
|      |                                     | Levothyroxine                    |                         | Tablet               | 12.5mcg, 25mcg, 50mcg  | Hypothyroidism                                       | Essential |
|      |                                     | Insulin lantus                   |                         | Injection            | 100 unit/ml            | Hyperglycemia                                        | Essential |
|      |                                     | Testosterone                     |                         | Injection            | 100mg/ml, 250mg/ml     | Hypotestosterone                                     | Essential |

  
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| 17.0 | Infusion fluids and electrolytes | Aminoacid infusion                     |                         | Injection   | Concentration (10 or 5.05 or 8%??) 300ml, 500ml                  | Hypoproteinemia, cachexia                                | Essential |
|      |                                  | Calcium borogluconate                  |                         | Injection   | 25%w/v in 450ml                                                  | Hypocalcemia, milk fever                                 | Essential |
|      |                                  | Calcium and magnesium borogluconate    |                         | Injection   | 450 ml                                                           | Milk fever complicated with hypomagnesemia, hypoglycemia | Essential |
|      |                                  | Dextrose/Glucose                       |                         | Injection   | 5%, 10%, 25%                                                     | Bovine ketosis, hypoglycemia                             | Essential |
|      |                                  | Dextrose Sodium Chloride               |                         | Injection   | Dextrose+ Sodium chloride (2.5%+0.45%, 5%+0.9%, 10%+0.9%)        | Hypoglycemia with dehydration                            | Essential |
|      |                                  | Normal Saline                          |                         | Injection   | 0.9% Sodium Chloride 500 ml, 1000 ml                             | Dehydration                                              | Essential |
|      |                                  | Electrolyte infusions (Ringer lactate) |                         | Injection   | 500ml, 1000ml                                                    | Dehydration                                              | Essential |
|      |                                  | Mannitol                               |                         | Injection   | 5%, 10%                                                          | Reduce intracranial pressure                             | Emergency |
|      |                                  | Hydroxyethyl Starch                    |                         | Injection   | 6% hydroxyethyl starch in isotonic sodium chloride 500ml, 1000ml | Hypovolemia                                              | Essential |
|      |                                  | Plasma protein fraction                |                         | Injection   | 250ml, 500ml                                                     | Hypovolemic shock                                        | Emergency |
|      |                                  | Dextran                                |                         | Injection   | 70.6% in 0.9% NaCl                                               | Hypovolemia                                              | Essential |
| 18.0 | Miscellaneous                    | Water for Injection                    |                         | Injection   | 5 ml, 10 ml ampoule                                              |                                                          | Essential |

  
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| 19.0 | Antacids , Antiulcer and PPI | Ranitidine                                |                         | Tablet, Injection | Tablet: 150mg, 300mg, Injection: 25mg/ml                                                                                                                                                             | GERD and Duodenal Ulcer                                                  | Essential |
|      |                              | Omeprazole                                |                         | Tablet, Injection | 10mg, 20mg, Powder for Injection: 40mg/vial                                                                                                                                                          | GERD and Duodenal Ulcer                                                  | Essential |
|      |                              | Pantoprazole                              |                         | Tablet, Injection | 20mg, 40mg, 40mg in 10 ml vial                                                                                                                                                                       | GERD and Duodenal Ulcer                                                  | Essential |
|      |                              |                                           | Famotidine              | Tablet            | 10mg, 20mg, 40mg                                                                                                                                                                                     | GERD and Duodenal Ulcer                                                  | Essential |
|      |                              | Rabeprazole                               |                         | Tablet            | 20 mg                                                                                                                                                                                                | GERD and Duodenal Ulcer                                                  | Emergency |
| 20.0 | Antizymotics                 | Simethicone                               |                         | Suspension        | (1%w/v): 100ml                                                                                                                                                                                       | Bloat, Tympany                                                           | Emergency |
| 21.0 | Antidiarrhoeals              | Halquinol                                 |                         | Bolus, Powder     | 1.5gm, 60gm/kg                                                                                                                                                                                       | Enteritis, calf scour, coccidiosis                                       | Emergency |
|      |                              | Loperamide                                |                         | Tablet            | 2mg                                                                                                                                                                                                  | Acute and chronic non-specific diarrhoea                                 | Essential |
| 22.0 | Hepatobiliary drugs          | Crude liver extract and Vitamin B complex |                         | Injection         | Contains: Thiamine hydrochloride, Riboflavin, Niacinamide, Vitamin B12<br>Liver Injection Crude (having Vit. B12 activity equivalent to 2mcg of cyanocobalamin per ml) Pacakge: 10 ml, 30 ml, 100 ml | Aflatoxicosis, reduced feed intake, deficiency disease conditons, stress | Essential |
|      |                              | Sylmarine                                 |                         | Tablet            | 70 mg                                                                                                                                                                                                | Aflatoxicosis, hepatitis, jaundice, fatty liver                          | Essential |
| 23.0 | Laxatives and Purgatives     | Bisacodyl                                 |                         | Tablet            | 5mg, 10mg                                                                                                                                                                                            | Acute and Chronic constipation                                           | Essential |
|      |                              | Lactulose                                 |                         | Liquid            | 3.35 mg/5 ml; 100ml, 200ml, 450ml                                                                                                                                                                    | Non-specific acute and chronic constipation                              | Essential |
|      |                              | Milk of magnesia and Paraffin             |                         | Liquid            | 11.25ml+3.75ml per 15ml                                                                                                                                                                              | Non-specific acute and chronic constipation                              | Essential |
|      |                              | Magnesium sulfate                         |                         | Powder            | 500g                                                                                                                                                                                                 | stress, loss of appetite, poor energy metabolism                         | Essential |
| 24.0 | Vitamins and minerals        | Vitamin B complex                         |                         | Injection         | Contains: Nicotinamide ; d-Panthenol ; Pyridoxine Hydrochloride; Thiamine Disulphide Nitrate; Riboflavin-5-Phosphate Sodium ; Hydroxycobalamine Acetate : 100 ml vials                               | Deficiency of vitamin                                                    | Essential |
|      |                              | Vitamin A D3 E                            |                         | Injection         | Each ml has: Retinol: 2, 50,000 IU, Cholecalciferol: 25000 IU, Tocopherol acetate: 100 mg (in 10 ml vial)                                                                                            | Deficiency of vitamin                                                    | Essential |

  
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|------|----------------------|------------------------------|-------------------------|-----------------------------------|-----------------------------------------------------|--------------------------------------------------------------------|-----------|
| 25.0 | Antitubercular drugs | Isoniazid                    |                         | Tablet                            | 50 mg, 100 mg, 300 mg                               | Tuberculosis                                                       | Emergency |
|      |                      | Rifampicin                   |                         | Tablet or capsule                 | 150 mg, 300 mg, 450 mg                              | Tuberculosis                                                       | Emergency |
|      |                      | Pyrazinamide                 |                         | Tablet                            | 150mg                                               | Tuberculosis                                                       | Emergency |
|      |                      | Ethambutol                   |                         | Tablet                            | 100mg, 400mg, 600mg                                 | Coccidiomycosis, histoplasmosis, dermatomycosis                    | Essential |
| 26.0 | Antifungal           | Ketoconazole                 |                         | Tablet                            | 200mg                                               | Blastomyces, Candida, Cryptococcus, Aspergillus infections         | Emergency |
|      |                      | Itraconazole                 |                         | Capsule                           | 100mg                                               | Trichophyton, Microsporum infection                                | Emergency |
|      |                      | Griseofulvin                 |                         | Tablet                            | 250mg, 500mg                                        | Dermatophytosis                                                    | Essential |
|      |                      | Clotrimazole                 |                         | Solution, cream                   | 1%w/v, 30 ml                                        | Blastomyces, Candida, Cryptococcus, Aspergillus infections         | Emergency |
|      |                      | Fluconazole                  |                         | Tablet                            | 50mg, 100mg, 150mg, 200mg                           | Fungal infection                                                   | Emergency |
|      |                      | Nystatin                     |                         | Oral Liquid                       | 50 mg/ 5ml                                          | Fungal infection                                                   | Essential |
|      |                      | Miconazole                   |                         | Liquid/lotion                     | 1%                                                  | Fungal infection                                                   | Essential |
|      |                      | Benzoic acid+ Salicylic acid |                         | Cream                             | 6%+3% (wt/wt)                                       | Fungal infection                                                   | Essential |
| 27.0 | Anthelmintics        | Albendazole                  |                         | Tablet, Bolus, Suspension, Powder | 150mg, 200mg, 600mg, 1500mg, 3000mg, 2.5%w/v, 5%w/w | Nematodal and cestodal infestation                                 | Essential |
|      |                      | Fenbendazole                 |                         | Tablet, bolus, suspension, powder | 150mg, 1500mg, 3000mg, 10% w/v, 25% w/w             | Nematodal infestation                                              | Emergency |
|      |                      | Mebendazole                  |                         | Tablet                            | 100 mg/Tablet                                       | Nematodal infestation and immunomodulator                          | Emergency |
|      |                      | Levamisole                   |                         | Tablet, Injection, Powder         | 150mg, 75mg/ml, 30%w/w                              | Fasciolosis, amphistomiasis, moneiziasis                           | Essential |
|      |                      | Oxyclozanide                 |                         | Tablet, Bolus, Suspension         | 200mg, 1gm, 3.4%w/v                                 | moneiziasis and nematodal infestation                              | Essential |
|      |                      | Oxyclozanide and Levamisole  |                         | Tablet, Bolus, Suspension         | 300mg, 1.5gm, 3%w/v+1.5%w/v                         | Fasciolosis, amphistomiasis, moneiziasis and nematodal infestation | Emergency |
|      |                      | Oxyclozanide and Tetramisole |                         | Bolus, Suspension                 | 1.5gm+1.5gm, 3%w/v+3%w/v                            | Intestinal nematodiasis                                            | Essential |

  
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|------|--------------------------------|-----------------------------------------------------------------|-------------------------|-----------------------------------------|-----------------------------------------|---------------------------------------------------------|-----------|
| 27.0 | Anthelmintics                  | Piperazine                                                      |                         | Liquid                                  | 45% w/v                                 | Nematodal infestation                                   | Essential |
|      |                                | Pyrantel pamoate                                                |                         | Tablet, suspension                      | 250mg, 50mg/ml                          | Cestode infestation                                     | Emergency |
|      |                                | Praziquantel                                                    |                         | Tablet                                  | 50mg                                    | Cestode infestation, nematodiasis and mixed infestation | Essential |
|      |                                | Praziquantel combination with Fenbendazole and Pyrantel pamoate |                         | Tablet                                  | 50mg+500mg+144mg                        | Cestode infestation, nematodiasis and mixed infestation | Essential |
|      |                                | Praziquantel and Albendazole                                    |                         | Tablet                                  | 25mg+300mg                              | Setariasis                                              | Essential |
|      |                                | Diethylcarbomazine                                              |                         | Tablet                                  | 100 mg                                  | Endectocide                                             | Essential |
|      |                                | Ivermectin                                                      |                         | Injection (1%)                          | 1ml, 10ml, 50ml, 100ml                  | Endectocide and flukicidal action                       | Essential |
|      |                                | Ivermectin and Clorsulon                                        |                         | Injection (1% Ivermectin+10% Clorsulon) | 10ml, 50ml, 100ml                       | Cestode infestation                                     | Emergency |
|      |                                | Niclosamide                                                     |                         | Tablet                                  | 500 mg                                  | Fascioliasis, haemonchosis, bunostomiasis               | Essential |
|      |                                | Rafoxanide                                                      |                         | Tablet, bolus, suspension, powder       | 200mg, 2gm, 3gm, 3%w/v, 200mg/gm        | Fascioliasis, haemonchosis, bunostomiasis               | Emergency |
|      |                                | Triclabendazole                                                 |                         | Tablet/inj                              | 1800 mg/10%                             | Herpes virus infection                                  | Essential |
| 28.0 | Antiviral Drugs                | Aciclovir                                                       |                         | Tablet                                  | 400mg, 800mg                            | Babesiosis in canine                                    | Essential |
| 29.0 | Antiprotozoal drugs/Ionophores | Imidocarb dipropionate                                          |                         | Injection                               | 120mg/ml in vial                        | Babesiosis, Trypanosomiasis                             | Essential |
|      |                                | Diminazene aceturate                                            |                         | Injection                               | 70mg per ml : 10ml, 20ml, 30 ml, 100 ml | Trypanosomiasis                                         | Essential |
|      |                                | Isometamidium chloride hydrochloride                            |                         | Injection                               | 250mg                                   | Trypanosomiasis and Surra                               | Emergency |

  
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|------|--------------------------------|---------------------------------------------------|-----------------------------------|---------------------------------|-----------------------------------------------|---------------------------------------------------|-----------|
| 29.0 | Antiprotozoal drugs/Ionophores | Quinapyramine sulphate and quinapyramine chloride |                                   | Injection                       | 1.5gm+1gm in vial                             | Theileriosis                                      | Essential |
|      |                                | Buparvaquone                                      |                                   | Injection                       | 50mg/ml in 2ml,20ml vial                      | Intestinal amoebiasis, trichomoniasis, giardiasis | Essential |
|      |                                | Metronidazole                                     |                                   | Tablet,suspension, injection    | 200mg, 400mg, 200mg/5ml, 5mg/ml               | Intestinal amoebiasis, trichomoniasis, giardiasis | Emergency |
|      |                                | Tinidazole                                        |                                   | Tablet                          | 300mg, 500mg, 1 gm                            | Coccidiosis                                       | Emergency |
|      |                                | Sulphaquinoxiline and Diaveridine                 |                                   | Powder                          | 18.7%, 3.3 %                                  | Caecal and intestinal coccidiosis                 | Essential |
|      |                                | Amprolium                                         |                                   | Powder                          | 20%                                           | Coccidiosis                                       | Essential |
|      |                                | Diclazuril                                        |                                   | Powder                          | 0.50%                                         | Coccidiosis                                       | Emergency |
|      |                                |                                                   | Sodium sulpha dimethyl pyrimidine | Liquid                          | 12.50%                                        | Coccidiosis                                       | Emergency |
|      |                                |                                                   | Toltrazuril                       | Powder                          | 2.50%                                         | Coccidiosis                                       | Emergency |
|      |                                | Maduramycin                                       |                                   | Powder                          | 1%                                            | Coccidiosis                                       | Emergency |
|      |                                |                                                   | Salinomycin                       | Powder                          | 12%                                           | Coccidiosis                                       | Emergency |
|      |                                |                                                   | Monensin                          | Powder                          | 20%                                           | Coccidiosis                                       | Emergency |
|      |                                |                                                   | Narasin                           | Powder                          | 20%                                           |                                                   |           |
| 30.0 | Antibacterial                  |                                                   |                                   |                                 |                                               |                                                   |           |
| 30.1 | Sulphonamide group             | Sulphadimidine sodium                             |                                   | Bolus, injection                | 5gm, 333mg/ml, 100 ml                         | Mixed bacterial infections                        | Emergency |
|      |                                | Sulphadiazine sodium and Trimethoprim             |                                   | Powder, injection,liquid        | 100gm,500gm,1kg; 100ml; 100ml, 500ml, 1 liter | Mixed bacterial infections                        | Essential |
| 30.2 | Fluoroquinolone                | Ciprofloxacin                                     |                                   | Tablet,bolus, injection, powder | 250mg, 2 gm, 40mg/ml, 100 mg/ml, 10% w/w      | Gram +ve and Gram negative bacterial infection    | Essential |
|      |                                | Enrofloxacin                                      |                                   | Tablet, injection, liquid       | 50mg,150mg, 100mg/ml                          | Gram +ve and Gram negative bacterial infection    | Essential |



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|------|----------------|---------------------------------|---------------------------------|------------------------------|---------------------------------------------------|-----------------------------------------------------|-----------|
| 30.3 | Tetracyclines  | Oxytetracycline hydrochloride   |                                 | Tablet, injection, powder    | 500 mg, 50mg/ml, 50mg/gm                          | Mixed bacterial infections                          | Essential |
|      |                | Doxycycline hydrochloride       |                                 | Powder, Tablet, Injection    | Powder: 10%,20% Tablet: 100 mg, Injection: 100 mg | Mixed bacterial infections                          | Emergency |
|      |                |                                 | Chlortetracycline hydrochloride | Powder                       | 15%                                               | Gram +ve bacterial infection                        | Essential |
| 30.4 | Penicillin     | Fortified Procaine penicillin   |                                 | Injection                    | 20lac,40lac                                       | Gram +ve and Gram negative bacterial infection      | Essential |
|      |                | Benzathine Penicillin           |                                 | Injection                    | 6lac ,12lac,24lac,48 lac IU                       | Gram +ve and Gram negative bacterial infection      | Essential |
|      |                | Ampicillin                      |                                 | Injection                    | 250mg,500mg, 2gm, 2.5gm                           | Gram +ve and Gram negative bacterial infection      | Essential |
|      |                | Amoxicillin                     |                                 | Bolus, Injection, Powder     | 1.5gm, 5%w/w                                      | Gram +ve and Gram negative bacterial infection      | Essential |
|      |                | Amoxycillin and Clavulanic acid |                                 | Tablet,Syrup, Injection      | 250mg, 500mg, 228.75mg/5ml, 2gm, 3gm, 4gm         | Mixed bacterial infections                          | Emergency |
| 30.5 | Cephalosporin  | Cephalexin                      |                                 | Powder                       | 7.5%w/w                                           | RTI,UTI and Mastitis                                | Emergency |
|      |                | Cefixime                        |                                 | Tablet,Suspension, Injection | 100mg,200mg, 100mg/5ml, 3gm, 4gm                  | Gram +ve and Gram negative bacterial infection      | Emergency |
|      |                | Ceftiofur                       |                                 | Injection                    | 500mg,1gm,4gm                                     | Gram +ve and Gram negative bacterial infection      | Essential |
|      |                | Ceftriaxone                     |                                 | Injection                    | 500mg,1gm,2gm, 3gm,4gm                            | Wide spectrum of bacterial infection                | Emergency |
|      |                | Chloramphenicol                 |                                 | Powder                       | 20%w/w                                            | Gram +ve and Gram negative bacterial infection      | Emergency |
| 30.6 | Amphenicols    | Florfenicol                     |                                 | Liquid                       | 100ml,500ml, 1ltr                                 | Antiinfective                                       | Emergency |
| 30.7 | Nitrofurantoin | Furaltadone                     |                                 | Powder                       | 100gm,500g,1kg                                    | Antiinfective                                       | Emergency |
|      |                | Furazolidone                    |                                 | Powder/tablet                | 20%/200 mg                                        | Gram +ve and Gram negative bacterial infection, CRD | Emergency |
| 30.8 | Macrolide      | Erythromycin                    |                                 | Tablet, liquid, powder       | 250mg, 500mg, 125mg/5ml, 50gm/gm                  | CRD                                                 | Emergency |
|      |                | Tylosin                         |                                 | Powder, Injection            | 100 %, 20 %                                       | CRD                                                 | Essential |
|      |                | Tilmicosin                      |                                 | Liquid                       | 10% and 25%                                       | GI tract infection, bacterial enteritis             | Emergency |

  
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|-------|------------------------------------------------|--------------------|-------------------------|-----------------------------------|--------------------------------------------------------------------------------------|---------------------------------------|-----------|
| 30.9  | Aminoglycoside                                 | Neomycin           |                         | Injection, Powder                 | 140mg/ml, 50 %                                                                       | Gram negative bacterial infections    | Essential |
|       |                                                | Gentamicin         |                         | Injection                         | 40mg/ml                                                                              | Mastitis, endometritis, enteritis     | Essential |
|       |                                                | Kanamycin          |                         | Injection                         | 500mg, 1gm, 2gm                                                                      | Gram +ve bacterial infections         | Emergency |
| 30.10 | Lincosamide                                    | Lincomycin         |                         | Capsule, syrup, Injection, Powder | 250mg, 500mg, 125mg/ml, 300mg/ml, 110gm/kg                                           | CRD                                   | Essential |
| 30.11 | Pleuromutilins                                 | Tiamulin           |                         | Powder                            | 45% and 80%                                                                          | Gram +ve bacteria, Mycoplasma         | Emergency |
| 31    | Diuretics                                      | Furesomide         |                         | Injection, Tablet, Bolus          | Injection: 10 mg/ml in 2ml ampoules, 50 mg/ml in 10 ml, Tablet: 40 mg, Bolus: 500 mg | edema, pulmonary congestion, ascites. | Essential |
|       |                                                | Spironolactone     |                         | Tablet                            | 25mg, 100 mg                                                                         | edema                                 | Essential |
|       |                                                | Hydrochlorthiazide |                         | Tablet                            | 25 mg, 50 mg                                                                         | edema                                 | Essential |
| 32    | Dermatological: Anti-inflammatory/Antipruritic | Calamine           |                         | Lotion                            | 15%                                                                                  |                                       | Essential |
|       |                                                | Hydrocortisone     |                         | Cream/Ointment                    | 1% (wt/wt)                                                                           |                                       | Essential |
|       |                                                | Betamethasone      |                         | Ointment                          | 0.10%                                                                                |                                       | Essential |
| 33    | Ophthalmological                               | Ciprofloxacin      |                         | Ointment/Solution (Eye drop)      | Ointment: 0.3%, Solution: 0.3% (as hydrochloride)                                    |                                       | Essential |
|       |                                                | Chloramphenicol    |                         | Ointment/Solution (Eye drop)      | Ointment: 1% w/w, Solution: 0.5%                                                     |                                       | Essential |
|       |                                                | Prednisolone       |                         | Solution (Eye drop)               | 0.5% (Sodium phosphate)                                                              |                                       | Essential |
|       |                                                | Atropine           |                         | Solution (eye drop)               | 1% (sulfate)                                                                         |                                       | Essential |
| 34    | Ear, Nose and Throat Preparations              | Betamethasone      |                         | Eardrop/cream                     | 0.05%                                                                                |                                       | Essential |
|       |                                                | Chloramphenicol    |                         | Ear drop                          | 5%                                                                                   |                                       | Essential |
|       |                                                | Ciprofloxacin      |                         | Ear drop                          | 0.3% (as hydrochloride)                                                              |                                       | Essential |
|       |                                                | Clotrimazole       |                         | Ear drop                          | 1%                                                                                   |                                       | Essential |
|       |                                                | Lidocaine          |                         | Topical (viscous)                 | 2%, 4%                                                                               |                                       | Essential |

  
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|------|---------------|----------------|-------------------------|------------------|-------------------------------------|--------------------------|-----------|
| 35   | Insecticidal  | Permethrin     |                         | solution/Pour on | 1%, 10% and 44% in pour on for dogs | Ectoparasite infestation | Essential |
|      |               | Cypermethrin   |                         | Pour on/Solution | 6.50%                               | Ectoparasite infestation | Essential |
|      |               | Fipronil       |                         | Pour on /Spray   | Solution: 1%, Spray: 0.25%          | Ectoparasite infestation | Essential |
|      |               | Flumethrin     |                         | Pour on/Solution | 1%                                  | Ectoparasite infestation | Essential |



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|---------------------------------------------------|------------------------|--------------------------------------------------------|-----------|
| 36. Antiseptics                                   |                        |                                                        |           |
| S.N.                                              | Type                   | Concentration                                          | Category  |
| 36.1                                              | Antiseptics            |                                                        |           |
|                                                   | Chlorhexidine          | Solution, 5% for dilution and solution or ointment, 4% | Emergency |
|                                                   | Gentian violet         | Aqueous 1%                                             | Emergency |
|                                                   | Povidone iodine        | Solution, 5%, 10% for dilution                         | Essential |
|                                                   | Rectified spirit       | Liquid, 90% v/v                                        | Essential |
|                                                   | Acryflavin             | Liquid 0.1%                                            | Essential |
|                                                   | Boric acid             | Powder                                                 | Essential |
|                                                   | Potassium permanganate | Powder/Crystals, Liquid                                | Essential |



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