

**Ethiopian Agricultural Authority**

**Directive for the control of veterinary drugs prescribed by an animal  
health professional and dispensed without a prescription**

**No. 1022/2024**

**September, 2024  
Addis Ababa, Ethiopia**

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## **Introduction**

WHEREAS, it is found necessary to control veterinary drug prescribed by only veterinarian, veterinarian and other animal health professionals and dispensed without the order of animal health professional;

WHEREAS, it is found necessary to protect effect on animal and public health from misuse of prescribed only veterinary drugs without the order of animal health professionals;

WHEREAS, it is found necessary to provide a legal procedure for the use of over the counter veterinary drugs without the need for a prescription from an animal health professional;

**NOW**, therefore, the authority has issued this directive in accordance with article 28 sub-articles 2 of Veterinary Drug and Animal Feed Administration and Control Proclamation 728/2011.

## **Part One**

### **General Provision**

#### **1. Short title**

This directive may be cited as “Directive for the control of veterinary drugs prescribed by an animal health professional and dispensed without a prescription no.1022/2024”.

#### **2. Definitions**

Notwithstanding to the definition provided under article 2 of the Veterinary Drug and Animal Feed Administration and Control Proclamation No.728/2011 and unless the context requires otherwise in this directive:

- 1) **"Over-the-counter veterinary drugs"** means drugs that can be purchased directly from a licensed veterinary drug pharmacy by the owner of sick animal without a written order from an animal health professional.
- 2) **"Prescription only veterinary Drugs"** means drugs that are purchased from a veterinary pharmacy, only prescribed by animal health professional for a sick animal with the written order.
- 3) **"Prescribing"** means an order to purchase or obtain a veterinary drug for a patient's animal.
- 4) **"Veterinary Prescription paper"** shall mean any order of Veterinary drug written and signed by a duly licensed or authorized Animal Health Professional issued to a patient in order to collect Veterinary drug from dispensing unit either by standard prescription paper or through electronics system.
- 5) **"Animal health professional"** means a veterinarian or other animal health professional that diagnoses and treats sick animals.

- 6) **"Dispense"** means the administration of veterinary drug to a patient animal owner by order of a veterinary health professional.
- 7) **"Animal Health Institution"** shall mean any government or non-government or private institution that provides veterinary services.
- 8) **"Controlled Veterinary Drugs"** means controlled veterinary drugs under the 2001 United Nations International Convention on Veterinary Medicines.
- 9) **"Special Veterinary Drug Prescription paper"** means a Controlled Veterinary Drug Prescription paper.
- 10) **"Owner of sick animal"** means any person who takes sick animal to an animal health institution for medical care or purchases medicine for sick animals from a veterinary pharmacy.
- 11) **"Authority"** means the Ethiopian Agricultural Authority.

### **3. Scope of Application**

This Directive shall be applicable to all animal health professionals who prescribed and administer veterinary drug or veterinary drug professionals who dispense or Veterinary pharmacy or animal health institution.

## **Part Two**

### **Prescribing and dispensing veterinary drug**

#### **4. Prescribing Veterinary Drug**

- 1) Veterinary drug prescribed by an animal health professional shall only be prescribed with a standard prescription form in accordance with annex 5 of this directive:
- 2) Only a veterinarian can prescribe veterinary drugs containing new medicinal substances or general anesthesia or hormones or analgesic and sedative veterinary drugs, which require strict control and are listed in Annex 2 of this directive.
- 3) Veterinary drugs listed in Annex 3 of this directive shall be prescribed by a veterinary health professional.
- 4) Other animal health professionals are not allowed to carry out prescription only drugs by veterinarian unless under the supervision of a veterinarian.
- 5) Any animal health professionals shall use generic name of the drug when prescribing it;
- 6) Any veterinary drug is non-refundable if prescribed by animal health professionals to be administered to the correct patient animal;
- 7) Subject to what is mentioned in sub-article 6 of this article, if the drug is not prescribed for the correct sick animal or dose or intake or time or frequency, it may be re-ordered or returned in consultation with the prescriber.
- 8) Animal health professionals shall monitor in the event of adverse drug reactions or treatment failure;

- 9) Any veterinary pharmacy who discover that a prescription-only veterinary drug has been issued with an illegal prescription should report it to animal health institute or agriculture offices;
- 10) Subject to the provisions listed in annex 3 of this directive, veterinary drugs meeting the following criteria shall only be prescribed by animal health professional.
  - a) likely to present danger, even when used correctly
  - b) frequently and to very wide extent misused
  - c) Contain substances which require further investigation
  - d) removed from its original packaging;
  - e) Misuse, abuse or withdrawal risk requiring frequent monitoring by animal health professionals
  - f) Veterinary drugs contain new chemical entities.
  - g) Develop resistance if used extensively.
  - h) Contain ingredients for antidepressants or antipsychotics or anxiolytic.
  - i) drugs used for external parasites
  - j) Electrolytes,
  - k) Drugs used for poisoning,
  - l) Are to be administered parenteral

## **5. Prohibited activities**

- a) Prescribing veterinary drugs by unauthorized persons other than animal health professionals is strictly prohibited.
- b) Animal health professionals shall not use brand or trade names when prescribing veterinary drugs;
- c) Any person other than an animal health institution or a veterinary drug manufacturer or wholesaler or retailer may not possess veterinary drugs prescribed by an animal health professional.
- d) Subject to what is mentioned in sub-article 3 of this article, it does not apply to the owner of a sick animal who buys veterinary drugs prescribed by an animal health professional from a veterinary pharmacy and takes them to an animal health institution where medical services are provided.

## **6. Dispensing of prescription only Veterinary Drugs**

- 1) Any veterinary drug shall be administered by an authorized veterinary drug professional.
- 2) Any sick animal owner shall purchase veterinary drugs from a legal veterinary pharmacy.
- 3) For the use of prescription only veterinary drugs, veterinary drug professionals shall consider the following conditions:

- a. Evaluating the appropriateness of the prescribed veterinary drugs before dispensing or distributing the drugs or making it available for use.
  - b. Providing sufficient information and advice to the animal owner about the veterinary drugs they are using.
  - c. To confirm the accuracy of the prescribed drugs and to ensure that it is consistent with the requirements of the veterinary drugs prescription.
- 4) Any veterinary drug professional may dispense the veterinary drugs mentioned in accordance with article 4 sub-article 2 of this directive. However, shall not delegate this work to other veterinary drug professionals.
  - 5) Veterinary drugs prescribed by an animal health professional shall be kept separate from veterinary drugs that may be taken without a prescription.

## **7. Prescribing controlled veterinary drugs**

- 1) In order to prevent the misuse of controlled veterinary drugs, they shall be prescribed by only veterinarians with a special prescription form (annex 6).
- 2) Any veterinarian shall not prescribe controlled veterinary drugs without having sufficient clinical reasons.
- 3) Other animal health professionals shall not allowed to prescribed controlled veterinary drugs listed in annex 1 unless under the supervision of a veterinarian.
- 4) The special prescription paper referred to in annex 6 shall contain the following information:
  - a. The date on which the prescription paper issued
  - b. Full name of sick animal owner
  - c. Address
  - d. Name of the veterinary drug
  - e. Strength
  - f. Quantity
  - g. Instructions for use
  - h. Name of the professional
  - i. Address and
  - j. Registration number

## **8. Dispensing veterinary Drugs by special prescription**

- 1) Any controlled veterinary drugs shall be dispensed only on the basis of a special prescription from a veterinarian;

- 2) Controlled veterinary drugs shall be locked in a special room and the key shall be kept in the hands of an authorized veterinary drug professional;
- 3) Except for the veterinary drug professionals no person can dispense the controlled veterinary drugs.
- 4) Any veterinary drug professional shall dispense the veterinary drugs mentioned in annex 1 when the prescriber's address is in Ethiopia and the validity of the prescription is verified;
- 5) Any veterinary drug professional shall not dispense for controlled veterinary drugs if he or she discovers that it has been falsely or illegally written, altered, or canceled;
- 6) Dispensing of controlled veterinary drugs by fax or electronic prescription is prohibited.

### **9. Validity of veterinary drug prescription paper**

- 1) The validity of a prescription paper for veterinary drugs can only be confirmed if it meets the criteria set out in annex 5 of this directive.
- 2) The veterinary drug prescriptions paper for controlled veterinary drug can only be validated if they meet the criteria set out in annex 6 of this directive.
- 3) Only the prescriber can change an incorrect order of prescription paper.
- 4) Subject to the provisions of sub-article 3 of this article, the prescriber who issued the incorrect prescription may delegate another animal health professional.
- 5) Any veterinary drug professional who receives a prescription with minimal errors and dispense if:-
  - a) Convincing and sufficient reason is provided,
  - b) In case of minor typographical errors or alphabetical errors or
  - c) The prescription paper has not been altered in color or other.

## **Part three**

### **Dispensing veterinary drugs without a prescription paper**

#### **10. Over the counter veterinary drugs**

- 1) Over the counter veterinary drugs shall meet the following requirements as listed on annex 4:-
  - a. Not likely to cause danger;
  - b. Do not contain substances that require further testing;
  - c. Non-injectable;
  - d. Without significant toxicity or severe side effects;
  - e. Less likely to cause microbial resistance;
  - f. Do not cause serious health problems when misused;

- 2) Subject to the provisions of sub-article (1) above, over-the-counter veterinary drugs shall not be given together with any other veterinary drugs unless it has been confirmed that there is no problem by animal health professionals or veterinary drug professionals.

## **11. Duties of veterinary drug professional**

Any veterinary drug professional:-

- 1) Shall collect sufficient information from the sick animal owner about the type of disease, symptoms and medical history and confirm the condition or seriousness of the problem and choose the drugs with adequate counseling;
- 2) Shall provide adequate advice to the owner of a sick animal in the following situations:-
  - a) Name, type, method of administration and quantity of the drug;
  - b) The time when the animal begins to recover from the disease;
  - c) The medical benefits;
  - d) Side effects of the drug;
  - e) What to do if the animal is not cured of the disease;
  - f) Placement and handling of the drug;
  - g) To report immediately if the drug causes harmful effects;
  - h) Frequency and duration of the drug is given;
  - i) The time when the drug residue is removed from the animal's body;
- 3) Shall advice to owner of the patient animal about alternative over-the-counter veterinary drugs;
- 4) Shall dispense over-the-counter veterinary drugs only in the primary packaging of the manufacturer;
- 5) Over-the counter veterinary drugs shall not be repackaged;
- 6) If there is no alternative over-the-counter veterinary drugs for a suspected disease, advice should be sought from animal health professional;
- 7) Safety and efficacy proven veterinary drug shall be dispensed to owner of sick animals.
- 8) The veterinary drug professional shall not use the trade name of the drug when dispensing drug for sick animal owner.
- 9) The prescription paper and other documents of any veterinary drugs shall be kept in a cupboard with a locked key.
- 10) Expired veterinary drugs shall be labeled "**Expired**" on the packaging or container to prevent them from being mistakenly sold to sick animal owner.

## **12. Duties and responsibilities of the sick animal owner**

Any sick animal owner:



- 1) In order to use over-the-counter veterinary drugs, the owner of a sick animal shall perform the following duties:-
  - a. Explain the symptoms of the disease to the veterinary drug professional;
  - b. Knowing the purpose and benefits of treatment;
  - c. Knowing the medical history of the sick animal;
  - d. Properly implement the advice of an animal health professional or veterinary drug professional;
  - e. Not using the drug in animals other than those for which it was prescribed;
  - f. Not giving the drug to another third party
  - g. Keep the drug out of the reach of children or away from things that can tamper with its contents;
- 2) Before administering over-the-counter veterinary drugs to a sick animal, the animal health professional's instructions shall be carefully read and understood;
- 3) Do not give more than one type of over-the-counter veterinary drug to a sick animal at the same time;
- 4) If there is any doubt regarding over-the-counter veterinary drugs, one shall contact the veterinary pharmacy where the drug was dispensed;
- 5) Animal health professionals or veterinary drug professional shall be notified if the veterinary drugs show signs of adverse drug reactions in a sick animal;
- 6) The owner of a sick animal shall seek the advice of veterinary drug professionals before choosing an alternative treatment for a suspected disease;
- 7) The owner of a sick animal shall only purchase veterinary drugs from legal veterinary pharmacies;
- 8) The owner of a sick animal shall not use over-the-counter veterinary drugs for long periods of time without the advice of an animal health professional or a veterinary drug professional;

### **13. Labeling of over the counter veterinary drugs**

- 1) The following information shall be written, the sick animal owner can easily read and understand the labeling of over-the-counter veterinary drugs:-
  - a) Ingredients and strength of the drug;
  - b) What the drug is used for;
  - c) Method of use of the drug;
  - d) Warnings stating the conditions under which the drug should not be used under any circumstances;
  - e) When consultation with an animal health professional or veterinary drug expert is appropriate;
  - f) Side effects and what to do to avoid them;

- g) Medication administration instructions; when, how, and how long to administer;
  - h) The species of the animal;
  - i) What kind of disease the drug is used to treat;
  - j) Time for drug residues to be removed from the animal's body;
  - k) Stating that the drug is for **veterinary use only**;
- 2) Owners of sick animals shall read the labeling of over-the-counter veterinary drugs and consult an animal health professional or veterinary drug professional if they have questions about the drug.

#### **14. Record keeping**

- 1) When veterinary drug professional dispense drugs, they shall record the date, the drug dispensed, the name and address of the owner of the patient animal, the animal's name or identification number, species and sex, drug name, strength and dosage, test results, the name of the animal health professionals who prescribed it, and the names of the veterinary drug professional involved in the dispensing.
- 2) Any animal health institution shall submit the veterinary drugs purchased or obtained with donation to the institution's pharmacy or department in Model 19.
- 3) Subject to the provisions stated under sub-article 2 of this article, any veterinary drugs professionals may dispense the veterinary drug prescribed for the owner of a patient animal by receiving veterinary drug from the veterinary drug store or department of the institution by model 22.
- 4) Subject to the provisions of sub article 1 of this article, the record of controlled veterinary drugs shall include the following:
  - a) Purchase or receipt records;
  - b) Medication dispensing and prescription notes;
  - c) Report of lost or stolen drugs;
  - d) Inventory of drugs;
  - e) Prescription documents;
  - f) Audit findings;
  - g) Veterinary drugs removed or returned;
  - h) List of transferred veterinary drugs;
- 5) Veterinary drugs that have been opened or not fully used shall be kept in a separate and special place from drugs that are to be disposed or stored for different reasons, until they used or their expiration date has passed.
- 6) Any prescription paper of veterinary drugs shall be kept at the veterinary pharmacy for at least two years.

- 7) Any animal health professional shall collect information about the purchased and salvaged veterinary drugs and report it to the appropriate bodies at the end of the year.

## **Part Four**

### **Miscellaneous provisions**

#### **15. Penalty**

- 1) Any veterinary drug professional that dispenses veterinary drugs for the first time in violation of the provisions mentioned under article 11 of this directive, a written warning shall be given.
- 2) Subject to what is mentioned in sub-article 1 of this article, if he repeatedly violates the provisions mentioned in article 11 more than twice, his professional license and qualification certificate shall be suspended for one year.

#### **16. Inapplicable Laws**

Any directives, implementation practices or circulars that are against the articles stated in this directive are not applicable on the items included here in this directive.

#### **17. Effective Date**

This directive shall enter into force from the date of signature by the General Director of Ethiopian Agricultural authority.

Addis Ababa, September 2024

Ambassador Diriba Kuma  
Ethiopian Agricultural authority General Director

## Annexes

The annexes attached to this directive shall use to perform the tasks described in the directive

### Annex 1: Controlled Veterinary Drugs

Schedule II	Dosage form	Schedule III	Dosage form	Schedule IV	Dosage form
Ketamine hydrochloride	Injection	Secobarbital	Injection	Diazepam	Injection
Methadone	Injection, Oral suspension Tablet	Buprenorphine hydrochloride	Injection	Serum gonadotropin	Powder for injection
Morphine hydrochloride	Injection	Thiopentone sodium	Powder for injection	Clenbuteral hydrochloride	Oral Syrup
Pethidine hydrochloride	Injection			Testosterone	Injection
Quinalbarbitone sodium	Injection				
Pentobarbitone sodium	Injection				
Acepromazine maleate	Injection				

### Annex 2: Veterinary drugs prescribed only by a veterinarian

Anesthetic Drugs	
Name	Dosage Form
Alfaxalone	Injection
Atipamezole hydrochloride	Injection
Atropine sulfate	Injection
Ether	Inhalation
Halothane	Inhalation
Isoflurane	Inhalation
Mapivacaine	Injection
Methohexitone sodium	Powder for injection
Propofol	Injection
Sevoflurane	Inhalation
Hormones	
Name	Dosage Form
Buserelin	Injection solution
Chorionic Gonadotropin + Estradiole Benzoate	Injection
Cloprostenol sodium	Injection
Dinoprost	Injection

Equine chorionic gonadotropin	Injection
Gonadotropin Releasing Hormone	Injection
Gonadorelin	Injection
Luprostiol	Injection
Megestrol acetate	Tablet
Methyl propionate	Injection
Estradiol benzoate	Injection
Oxytocin	Injection
Progesterone	Injection, Vaginal delivery
<b>Neuroleptics/Sedatives</b>	
<b>Name</b>	<b>Dosage Form</b>
Detomedine hydrochloride	Injection
Dexmedetomidine	Injection
Medetomidine hydrochloride	Injection
Romifidine hydrochloride	Injection
Xylazine	Injection
<b>Analgesics/Antipyretics</b>	
<b>Name</b>	<b>Dosage Form</b>
Antonidine	Injection
Butorphanol	Injection
Detomidine hydrochloride	Injection, Oral gel
Hyoscine Butyl bromide	Solution for Injection
Medetomidine	Injection
Metamizole sodium	Injection

### Annex 3: Veterinary drugs prescribed by animal health professionals

<b>Antibacterial</b>	
<b>Pencillins</b>	
<b>Name</b>	<b>Dosage Form</b>
Benzathine pencillin G + Procaine pencillin G	Ointment, Injection, Powder for injection
Procaine benzyl penicillin	I/M/Suspension, Injection
Amoxicillin and its combinations	Capsule, Injection, Oral suspension, Oral powder, Powder for injection, Tablet and any other dosage form
Ampicillin and its combinations	Capsule, Injection, Oral powder, Tablet and other dosage form

Cloxacillin	Eye ointment, I/M/Suspension
Penethamate	Powder for injection,
Phenoxymethyl pencillin	Oral powder
Any Combinations Pencillin groups	In any dosage form
<b>Aminoglycosides</b>	
<b>Name</b>	<b>Dosage Form</b>
Streptomycin sulfate	Injection, Oral solution
Dihydrostreptomycin + Streptomycin	Injection,
Gentamicin Sulfate	Injection, Oral Powder, I/M suspension, Eye
Kanamycin	Injection, Oral powder, Spray
Spectinomycin	Injection, Oral solution
Any combinations of Aminoglycoside groups	In any dosage form
<b>Macrolides</b>	
<b>Name</b>	<b>Dosage Form</b>
Erythromycin	I/M/Suspension, Oral powder
Tylosin	Injection, Oral powder/Granule, Tablet
Gamithromycin	Solution for injection
Spiramycin	Injection
Tildipirosin	Solution for injection
Tilmicosin	Oral granules, Oral solution, Solution for injection
Tulathromycin	Solution for injection
Tylvalosin	Oral Granule
Any combinations of Macrolides groups	In any dosage form
<b>Tetracyclines</b>	
<b>Name</b>	<b>Dosage Form</b>
Chlortetracycline and its combinations	Bolus, Eye ointment, Intrauterine bolus, Oral solution, Powder, Spray, any other dosage form
Doxycycline and its combinations	Capsule, Injection, Oral powder, Tablet, Oral solution, any other dosage form
Oxytetracycline and its combinations	Injection, Aerosol Spray, I/M/Suspension, I/U/Bolus, I/U/Solution, Oral powder, Pessary,
Any combinations of Tetracycline groups	In any dosage form
<b>Sulphonamides</b>	
<b>Name</b>	<b>Dosage</b>
Sulphonamide drugs and its combinations	In any dosage form.
<b>Cephalosporin</b>	
<b>Name</b>	<b>Dosage Form</b>
Cefovecin	Powder for injection
Cephalexin and its combinations	Tablet, any other dosage form
Cephapirin	Powder for injection, I/M/Suspension
Cephalonium	Intrauterine suspension, I/M/Suspension
<b>Quinolones</b>	

<b>Name</b>	<b>Dosage</b>
Ciprofloxacin	Injection, Oral powder, Oral suspension
Enrofloxacin	Injection, Tablet, Oral powder, Oral solution,
Flumequin	Injection, Oral powder, Oral suspension
Marbofloxacin	Injection, Tablet, Powder for injection
Norfloxacin and its combinations	Injection, Oral powder, Oral solution, any other dosage form
Pefloxacin	Oral powder
Pradofloxacin	Tablet, Oral suspension
<b>Lincosemides</b>	
<b>Name</b>	<b>Dosage</b>
Lincomycin Hydrochloride and its combination	Injection, Oral powder, Oral solution and any other dosage form
Pirlimycin	I/M/ infusion
<b>Other antibacterials</b>	
Florfenicol and its combinations	Injection, Oral solution, Oral granules, any other dosage form
Fusidic acid	
Salinomycin	Oral powder
Tiamulin	Solution for injection, Oral solution, Oral granules
<b>Antifungal Drugs</b>	
<b>Name</b>	<b>Dosage form</b>
Amphotericin-B	Injection solution, Powder for injection, Topical
Chlorhexidine digluconate+ Miconazole nitrate	Shampoo
Clotrimazole	Cream/Ointment
Copper sulfate	Oral powder
Enilconazole	Cutaneous emulsion
Fluconazole	Injection, Oral suspension, Tablet
Itraconazol	Oral solution, Capsule
Ketoconazole	Tablet, Oral suspension
Natamycin	Topical ointement
Nystatin and its combinations	Oral powder, any other dosage form
Zinc sulphate	Oral powder
<b>Antitrypanosomal Drugs</b>	
<b>Name</b>	<b>Dosage Form</b>
Amicarbalide	Solution for injection
Diaceturate and its combinations	Solution for injection, Powder/ Granule for injection and in any other dosage form
Imidocarb	Solution for injection
Isomethamidium chloride	Powder for injection, Granule for injection
Melarsomine	Injection Solution, Powder for injection
Pentamidine	Powder for injection
<b>Anthelmentic</b>	

<b>Benzimidazoles</b>	
<b>Name</b>	<b>Dosage Form</b>
Albendazole	Oral Suspension
Febantel	Oral Suspension
Febendazole	Oral Suspension
Mebendazole	Oral suspension
Oxybendazole	Oral suspension
Oxyclozanide	Oral suspension
Oxyfendazole	Oral suspension
Any combinations of Benzimidazoles	Oral Suspensions
<b>Microcyclic lactones</b>	
<b>Name</b>	<b>Dosage Form</b>
Abamectin	Injection
Ivermectin	Injection, oral solution
Any Combinations of Microcyclic Lactones	Oral Suspensions
<b>Imidazothiazoles</b>	
<b>Name</b>	<b>Dosage Form</b>
Levamisole	Injection, oral suspension
Tetramisole	Injection
Any Combinations Imidazothiazole	Oral Suspensions
<b>Salicylanilides</b>	
<b>Name</b>	<b>Dosage Form</b>
Closantel	Injection, oral suspension
Rafoxanide	Injection
<b>Others</b>	
<b>Name</b>	<b>Dosage Form</b>
Praziquantel	Injection, Spot on
<b>Acaricides &amp; Insecticides</b>	
<b>Name</b>	<b>Dosage Form</b>
Afoxolaner	Tablet
Amitraz	Liquid, Powder /Granule, Pour on
$\alpha$ - Cypermethrin	Pour-on solution
Carbaryl	Collar
Chlorfenvinphos and its combinations	Liquid and in any other dosage form
Cyhalothrin	Emulsifiable liquid, Pour-on solution
Cypermethrin	Emulsifiable Liquid, Powder, Pour-on solution, Collar
Cyromazine	Pour-on solution
Deltamethrin	Emulsifiable Liquid, Pour-on solution, Collar
Diazinon and its combinations	Liquid, any dosage form
Dichlorvos and its combinations	Liquid, any dosage form



Dicyclanil	Pour-on suspension
Fenthion	Liquid
Fenvalerate	Emulsifiable Liquid
Fipronil and its combinations	Spot-on, Spray, any other dosage form
Flumethrin and its combinations	Emulsifiable Liquid, any other dosage form
Fluralaner and its combinations	Oral solution, Tablet, Spot-on solution, any other dosage form
Imidacloprid and its combinations	Spot-on solution, any other dosage form
Indoxacarb and its combinations	Spot –on solution, any other combinations
Lotilaner	Tablet
Permethrin	Emulsifiable liquid, Dusting powder, Pour-on solution, Shampoo, Collar
Phosmet	Liquid
Porpoxur	Spray, Collar
Sarolaner and its combinations	Tablet any other combinations
Selamectin	Spot –on solution
<b>Steroids</b>	
<b>Name</b>	<b>Dosage Form</b>
Betamethasone	Tablet, Injection
Dexamethasone	Tablet, Injection
Hydrocortisone	Tablet
Methylprednisolone	Tablet, Injection
Prednisolone acetate	Tablet, Injection, Oral powder, Syrup
<b>Cardiovascular drugs</b>	
<b>Diuretics</b>	
<b>Name</b>	<b>Dosage Form</b>
Chlorthiazide	Tablet
Furosemide	Injection, Tablet, Syrup
Hydrochlorothiazide	Tablet
Mannitol	Injection
Methenamine	Powder
<b>Laxatives</b>	
<b>Name</b>	<b>Dosage Form</b>
Magnesium sulfate (Epsom salt)	Injection
<b>Antiemetic</b>	
<b>Name</b>	<b>Dosage Form</b>
Maropitant citrate	Injection
Metoclopramide	Injection

<b>NSAIDs</b>	
<b>Name</b>	<b>Dosage Form</b>
Acetyl salicylic acid	Injection
Cimicoxib	Tablet
Cyclosporine A	Capsule, Eye drop, Oral solution
Diclophenac sodium	Injection
Firocoxib	Injection, Oral paste, Tablet
Flunixin Meglumine	Injection, pour-on, oral paste
Ketoprofen	Injection, Oral solution, Tablet
Meloxicam	Granule, Injection, Oral paste, Oral suspension,
Pentosan polysulphate sodium	Injection
Polysulphated glycosaminoglycan	Injection
Tolfenamic acid	Injection, Oral paste, Tablet
<b>Local Anaesthetics</b>	
<b>Name</b>	<b>Dosage Form</b>
Lidocaine hydrochloride	Injection, oral spray
Lidocaine + Adrenaline	Injection
Lidocaine hydrochloride + Noradrenaline	Injection
Lidocaine hydrochloride + Epinepherine acid tartrate	Injection
Mepivacaine	Injection
Procaine hydrochloride + Epinephrine acid tartrate	Injection
<b>Anticoagulants</b>	
<b>Name</b>	<b>Dosage Form</b>
Heparin sodium	Injection
Vitamin K	Injection
Warfarin sodium	Tablet
<b>Fluids and Electrolytes</b>	
<b>Name</b>	<b>Dosage Form</b>
Aluminium Chloride and its combinations	Oral Powder
Bismuth Salysilate and its combinations	Oral Suspension
Calcium Borogluconate and its combinations	Injectable solution, any dosage form
Calcium Gluconate and is combinations	Injection, any dosage form
Dextrose and its combinations	IV infusion, any other dosage form
Glucose monohydrate and its combinations	Injection, Powder, any other dosage form
Iron Dextrose + Vit B12	Injection
Propionic acid and its combinations	Powder, any other dosage form
Sodium bicarbonate and its combinations	Powder, any other dosage form

<b>Vitamins, Minerals, Amino acids, Fatty acid</b>	
<b>Name</b>	<b>Dosage Form</b>
Bismuth subnitrate	I/M/Suspension
Copper and its compounds	Paste, any other dosage form
Cyanocobalamin	Injection
Glucose Anhydrous	Injection
Iron	Injection
Magnesium sulfate	Injection
Selenium and its combinations	I/R/device, any other dosage form
Toldimphos sodium	Injection
Zinc oxide	Premix
<b>Drugs Used for Poisoning</b>	
<b>Name</b>	<b>Dosage Form</b>
Activated Carbon + Kaolin	Granules, Oral suspension
Copper oxide	Bolus (hard capsule)
Epinephrine	Injection
Nalorphine HCL	Injection
Yohimbine HCL	Injection
<b>Anthelmentic</b>	
<b>Name</b>	<b>Dosage form</b>
Doramectin	Injection, Pour –on solution
Eprinomectin	Injection, Pour-on solution
Milbemycin Oxide	Tablet
Monepantel	Oral solution
Moxidectin	Injection, Oral gel, Oral solution, Pour-on, Tablet
Nitroscanate	Tablet
Nitroxynil	Injection
Pyrantel embonate	Oral paste
<b>Miscellaneous</b>	
<b>Name</b>	<b>Dosage Form</b>
Benzyl Alcohol	Liquid
Bromhexine Hydrochloride	Oral powder
Clodronic Acid	Injection

Denaverine	Solution for Injection
Doxapram	Solution for Injection
Propylene Glycol + Cobalt Sulfate	Injection
Sodium hyaluronate	Injection
Sodium hydroxide	Cutaneous Paste
Parasitamol	Tablet
Strychnine	Oral Powder
<b>Veterinary Vaccines</b>	
<b>Name</b>	<b>Dosage Form</b>
All Viral, Bacterial, Protozoal and Fungal Vaccines listed in National Veterinary Drug list.	All dosage Form
<b>Antiseptics and Disinfectants</b>	
<b>Name</b>	<b>Dosage Form</b>
All types Antiseptics and Disinfectants Lited in National Veterinary Drug list.	All dosage form

#### **Annex: 4 List of over-the-counter veterinary drugs**

<b>ANTHELMENTICS</b>	
<b>Benzimidazoles</b>	
<b>Name</b>	<b>Dosage form</b>
Albendazole	Bolus, Oral powder, Paste
Albendazole combinatios	Bolus
Febantel	Paste
Febantel combination	Tablet
Fenbendazole	Bolus, Granule/powder, Paste
Flubendazole	Oral powder
Mebendazole	Oral Granule/Powder, Paste , Tablet
Oxybendazole	Bolus, Oral powder
Oxyfendazole	Bolus
Thiabendazole	Eye/ear drop
<b>Microcyclic Lactones</b>	
<b>Name</b>	<b>Dosage Form</b>
Abamectin	Capsule, Oral powder, Oral solution Paste, Pour –on, Tablet
Ivermectin	Capsule, Oral powder , Oral solution, Paste /Gel, Pour-on, Tablet /bolus
Ivermectin combinations	Bolus

<b>Imidazothiazoles</b>	
<b>Name</b>	<b>Dosage Form</b>
Levamisole	Bolus, Oral powder, Pour-on
Levamisole combinations	Bolus
Tetramisole	Bolus, Oral powder
Tetramisole combinations	Bolus
<b>Salicylanilides</b>	
<b>Name</b>	<b>Dosage Form</b>
Niclosamide	Bolus, Oral powder, Paste
Niclosamide combinations	Bolus
Oxyclozanide	Bolus
Oxyclozanide combinations	Bolus
<b>Substituted Phenols and Others</b>	
<b>Name</b>	<b>Dosage Form</b>
Piperazine citrate	Tablet
Praziquantel	Tablet or Bolus
Praziquantel combinations	Tablet or bolus
Pyrantel pamoate	Paste, Tablet
<b>ANTIPROTOZOALS</b>	
<b>Anticoccidials</b>	
<b>Name</b>	<b>Dosage Form</b>
Amprolium hydrochloride	Oral powder, Oral solution
Amprolium hydrochloride+ Furafolidine + Vitamin K + Vitamin A	Oral powder
Amprolium hydrochloride+ sulfaquinoxaline	Oral powder
Amprolium hydrochloride + sulfaquinoxaline + Vitamin K	Oral powder
Amprolium hydrochloride + vitamin K	Oral powder
Halofuginone	Oral solution
Lasalocid A sodium	Oral powder
Monensin	Oral powder
Robendine HCL	Oral powder
Toltrazuril	Oral Solution
<b>GASTROINTESTINAL DRUGS</b>	
<b>Anti-Diarrheal drugs</b>	
<b>Name</b>	<b>Dosage</b>
Kaolin + pectin	Oral suspension
<b>Bloat Remedy</b>	

<b>Name</b>	<b>Dosage Form</b>
Dimeticone	Oral suspension
Docusate	Oral suspension
Poloxalene	Oral suspension
Simethicone	Oral emulsion
<b>Emollient/Lubricant/Hyperosmotic/Stimulant Laxatives</b>	
<b>Name</b>	<b>Dosage Form</b>
Bisacodyl	Tablet
Epson salt	Powder
Ispaghula HUSK	Oral powder , Oral granule
Magnesium hydroxide mixture	Cream
Paraffin	Oral paste
<b>Antiulcer and Antiemetic</b>	
<b>Name</b>	<b>Dosage Form</b>
Cimetidine	Tablet
Maropitant citrate	Tablet
Metoclopramide	Oral solution
Omeprazole	Oral paste
<b>Analgesics/Antipyretics</b>	
<b>Name</b>	<b>Dosage Form</b>
Acetyl Salicylic Acid	Bolus, Tablet/capsule
Paracetamol	Oral solution, Tablet
<b>Antitussive/Expectorant/Mucolytic</b>	
<b>Name</b>	<b>Dosage Form</b>
Bromhexine hydrochloride	Oral powder
<b>MISALLENOUS</b>	
Iodine Tincture	
NaCl	
Zinc Oxide Ointment	
KI	
Alcohol	

**Annex 5: Veterinary drugs prescription paper**

Date \_\_\_\_\_

Ser.No, -----

Case No. \_\_\_\_\_

-----  
**[Name of the Ministry/Regional Bureau/Private clinic/NGO]**

**Veterinary Prescription Paper**

Date \_\_\_\_\_

Ser.No, -----

Case No. \_\_\_\_\_

Institution \_\_\_\_\_

Address: Region \_\_\_\_\_ Zone \_\_\_\_\_ Woreda \_\_\_\_\_ Town \_\_\_\_\_ Tel \_\_\_\_\_

Owner's Name \_\_\_\_\_

Address: Region \_\_\_\_\_ Town \_\_\_\_\_ Woreda \_\_\_\_\_ Keble \_\_\_\_\_ locality \_\_\_\_\_

Species of animal(s) \_\_\_\_\_ Age \_\_\_\_\_ Sex \_\_\_\_\_

Body weight \_\_\_\_\_ Identity of animal \_\_\_\_\_

Treatment given (name, strength, route of administration, dosage form, dosage and quantity of drug)	Price of Each item	
	Birr	Cent

Diagnosis \_\_\_\_\_

Refill \_\_\_\_\_

Withdrawal period \_\_\_\_\_

Prescriber's  
 Name \_\_\_\_\_

Dispenser's  
 \_\_\_\_\_

Qualification \_\_\_\_\_

\_\_\_\_\_

Registration No. \_\_\_\_\_

\_\_\_\_\_

Signature \_\_\_\_\_

\_\_\_\_\_

Date \_\_\_\_\_

\* Seal over leaf

**N.B.**

1. The Prescription should bear the seal of the animal health Institution

2. Prescribers should

- write the prescription correctly and legibly
- treat prescription paper as personal check book
- be receptive to calls from dispenser who is trying to verify prescription
- write refill order as per the list of refillable drugs

3. Dispensers should

- Check if the prescription is legible and neat in appearance
- review prescription carefully and verify with prescriber if it is incorrectly prescribed
- Keep filled and blank (when applicable) prescription paper in the pharmacy section
- Register and keep filled prescription for at least two years
- Do not dispense copied and in deleted prescription.
- Dispense single prescription for one time only unless stated as refill for refillable drugs



**Annex 6: Special Veterinary drugs prescription paper**

**Name of the Institution**

**Address** \_\_\_\_\_

**Controlled Drug Rx**

S. No \_\_\_\_\_

Date: \_\_\_\_\_

Owner's Name: \_\_\_\_\_

Species of Animals: \_\_\_\_\_

Address: \_\_\_\_\_

Age: \_\_\_\_\_ Sex: \_\_\_\_\_ Bwt: \_\_\_\_\_

Identity of Animals: \_\_\_\_\_

<b>Rx (name, strength, route of administration, dosage form, dosage)</b>	<b>Quantity Dispensed</b>

Prescribed By: \_\_\_\_\_

Dispensed By: \_\_\_\_\_

Signature \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_

Stamp of the Institute

Pharmacy Name, Address and Stamp