LIST OF ESSENTIAL MEDICINES FOR ETHIOPIA

FOURTH EDITION

Food, Medicine and Healthcare Administration and Control Authority of Ethiopia

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Last but not least, the Authority would also like to give special acknowledgement to the National Drug Advisory Committee and all participants of the consultative workshops for their invaluable contributions in scrutinizing and finalizing this list.
FOREWORD

In most cases, healthcare services are provided both by the private and the public sectors. However, provision of basic health services usually remains to be the responsibility of the public sector. This relies, among other factors, on availing the most cost-effective medicines that satisfy priority healthcare needs of the population in adequate amount, appropriate dosage forms and of assured quality at all times.

Ethiopian drug policy ensures that the government shall provide or else systematize adequate supply of medicines which are required for prevention, diagnosis, treatment, mitigation and rehabilitation of diseases affecting the majority of the country’s population. Moreover, the policy emphasizes that such medicines be critically identified and classified to respective levels of health service delivery.

It is important to recognize that the National Essential Medicines List only implies that the medicines included are adequate to meet the common contemporary health needs of the general population of the country and general obligation of the government to ensure adequate availability of such drugs in the country. Whereas exclusion of any drug from this list does not necessarily mean that it is less effective in comparison to any alternative drug which has found its place in the list.

The Authority believes that this list will serve all stakeholders and health service providers as a tool for selecting and availing the most needed medicines at every level of the healthcare system at all times.

It is also strongly believed that this list has to be regularly updated so as to reflect new therapeutic opinions, management
of emerging diseases and changing resistance patterns. Hence, I call upon all health professionals and interested parties to continue their usual support in updating the list by forwarding comments and suggestions to the Food, Medicines and Healthcare Administration and Control Authority of Ethiopia through P.O. Box 5681, Tel. 251-11 552 41 22, e-mail daca@ethionet.et, Addis Ababa, Ethiopia.

Finally, I would like to express my gratitude to all those who have directly or indirectly extended their helping hands in the revision and printing of the list.

YEHULU DENEKEW ALAMNEH
Director General,
Food, Medicines and Healthcare Administration and Control Authority (FMHACA) of Ethiopia
INTRODUCTION

Provision of promotive, preventive, curative and rehabilitative health services require regular availability of relevant medicines of proven safety, efficacy and quality at an affordable price and their proper use; including proper diagnosis of health problems, prescribing, and dispensing to patients.

Essential medicines are those that satisfy the priority health care needs of the population. They are selected with due regards to public health relevance, evidence on safety, efficacy, quality and comparative cost-effectiveness. They are intended to be available within the context of functioning health systems at all times in adequate amount, appropriate dosage forms with assured quality.

Essential Medicines List is meant to guide the selection, procurement, production, distribution and storage of medicines. It can also serve as an informational and educational tool for health care professionals involved in diagnosis and treatment of diseases as well as dispensing of medicines. Furthermore, it can improve availability and promote rational use of medicines.

The Government of Ethiopia, through its drug policy, has reaffirmed its commitment to provide or else systematize the supply of medicines that adequately meet the common contemporary health needs of the general population of the country. Thus, to materialize this objective, it is necessary to select medicines which are required for promotion, prevention, diagnosis, treatment/mitigation and rehabilitation of diseases affecting majority of the population.
A draft of the revised fourth edition of the Essential Medicines List was first prepared by the Authority using a technical working group composed of an internist, a nurse and pharmacists and then enriched through national consultative workshops. Participants involved in the workshops were specialists and professionals from various disciplines i.e. Nursing, Pharmacy, Cardiology, Dentistry, Dermatology, ENT, Internal Medicine, Neurology, Obstetrics & Gynecology, Oncology, Ophthalmology, Pediatrics, Psychiatry and Surgery; representatives of teaching institutions, professional associations, regional health bureaus, relevant departments of Ministry of Health, pharmaceutical manufacturers & importers, government hospitals and other related organizations (See Annex 1). The revised Essential Medicines List was then finalized by the National Drug Advisory Committee.

During the revision process, several factors like safety, therapeutic efficacy, quality, affordability and availability were taken into consideration. Most of the essential medicines which are included in this list are formulated as single compounds. Whereas fixed dose combination products have been selected only when the combination has a proven advantage over single compounds administered separately with regard to therapeutic efficacy, safety, and adherence or combating drug resistance. The generic or international non-proprietary names for medicines have been used and they have been arranged according to pharmacotherapeutic classifications.

The list of essential drugs does not imply that other drugs are not useful. It simply implies that in a given situation these drugs are the most needed for the population and therefore should be available at all times in adequate amount at reasonable cost; moreover such lists are subject to periodic modifications.
The Essential Medicines List for Ethiopia will be updated from time to time following changes in disease patterns and recent developments in the health sector. Therefore, all users of this list are kindly requested to send their comments and suggestions to the Food, Medicine and Healthcare Administration and Control Authority of Ethiopia, P. O. Box 5681, Tel., 251-11 552 41 22, e-mail daca@ethionet.et, Addis Ababa, Ethiopia.
PHARMACOTHERAPEUTIC
CLASSIFICATION OF MEDICINES

GI.000 GASTROINTESTINAL MEDICINES

GI.100 Antacids

1. Aluminum Hydroxide  
   Tablet (chewable), 500 mg  
   Mixture/Gel 320 mg/5ml  
   Suspension, 360mg/5ml

2. Aluminum Hydroxide + Magnesium Hydroxide♣  
   Suspension, 220mg +195mg/5ml  
   Tablet (chewable), 400mg +400 mg

3. Magnesium Hydroxide  
   Suspension, 375mg/5ml, 7.75%  
   Tablet (chewable), 300mg, 311 mg

GI.200 Antiulcer Agents

1. Cimetidine  
   Injection, 200mg/ml in 2ml ampoule  
   Syrup, 200mg/5ml,  
   Tablet, 200mg. 400mg, 800mg  
   Tablet (chewable), 200mg

2. Omeprazole  
   Capsule (enclosing e/c granules), 20mg  
   Tablet, 20mg (enteric coated)

♣ And any other combination ratio proven to be therapeutically effective can be used
3. Ranitidine
   Injection, 10mg/ml in 5ml ampoule; 25mg/ml in 10ml ampoule
   Tablet, 150mg, 300mg

**GI.300 Antispasmodics/Spasmolytic Analgesics**

1. Atropine sulphate
   Injection, 1mg/ml in 1ml ampoule

2. Hyoscine (Scopolamine)
   Injection, 20mg/ml
   Tablet, 10mg
   Drops, 5mg/5ml
   Suppository, 7.5mg, 10mg

3. Hyoscine (Scopolamine)
   Injection, 0.4mg/ml, 0.6mg/ml in 1ml ampoule
   Tablet, 0.6mg

**GI.400 Antiemetics**

1. Chlorpromazine Hydrochloride
   Drops, 25mg/ml
   Injection, 25mg/ml, 25mg/2ml, 50mg/2ml in 1ml, and 2ml ampoules
   Syrup, 25mg/5ml
   Tablet, 25mg, 100mg (film/sugar coated)

2. Dimenhydrinate
   Tablet, 50mg

3. Meclizine Hydrochloride
   Tablet, 12.5mg, 25mg
4. Metoclopramide Hydrochloride  Injection, 5mg/ml, 5mg/2ml in 2ml ampoule Tablet, 10mg Syrup, 5mg/5ml Drops, 0.2mg/drop

**GI.500 Cathartics and Laxatives**

1. Bisacodyl  Suppository, 5mg, 10mg Tablet, 5mg, 10mg
2. Castor oil  Liquid, 30ml, 60ml
3. Glycerine  Suppository, 1gm, 1.36gm, 2gm, 2.76gm
4. Lactulose  Enema, (300ml Lactulose + 700ml Water) Syrup, 3.5mg/5ml
5. Magnesium Sulphate  Oral powder in sachet

**GI.600 Medicines Used in Diarrhea**

1. Loperamide  Capsule, 2mg
2. Oral Rehydration Salt  Powder, each sachet for 1 litre contains:

<table>
<thead>
<tr>
<th></th>
<th>Gram/Liter</th>
<th>mmol/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium</td>
<td>2.6</td>
<td>75</td>
</tr>
<tr>
<td>Glucose Anhydrase</td>
<td>13.5</td>
<td>65</td>
</tr>
</tbody>
</table>
Potassium Chloride 1.5  Glucose Anhydrase 75
Trisodium Citrate Dehydrate 2.9  Potassium 20
Citrate 10  Total Osmolarity = 245

**GI.700 Antiflatulents**

1. Activated Charcoal  
   Tablet, 125mg, 250mg

**GI.800 Antihaemorrhoidal Agents**

1. Bismuth Subgallate Compound*  
   (Bismuth Subgallate + Bismuth Oxide + Peru Balsam + Zinc Oxide)  
   Ointment, 2.25% +0.875%  
   +1.875% +10.75%  
   Suppository, 59mg +24mg + 49mg +296mg

2. Bismuth Subgallate Compound *  
   With Hydrocortisone  
   (Bismuth Subgallate + Bismuth Oxide + Peru Balsam + Zinc Oxide + Hydrocortisone Acetate + Benzyl Benzoate)  
   Ointment, 2.25% + 0.875% + 1.875% +10.75% +0.25% +1.25%  
   Suppository, 59mg + 24mg + 49mg +296mg +10mg + 33mg

* And any other antihaemorrhoidal preparation proven to be therapeutically effective can be used
### CV.000 CARDIOVASCULAR MEDICINES

### CV.100 Medicines Used for Congestive Cardiac Failure

1. Captopril  
   Tablet, 12.5mg, 25mg, 50mg, 100mg

2. Digoxin  
   Elixir, 0.05mg/ml  
   Injection, 0.1mg/ml in 1ml ampoule; 0.25 mg/ml in 2ml ampoule  
   Tablet, 0.25mg

3. Enalapril Maleate  
   Tablet, 2.5mg, 5mg, 10mg, 20mg, 40mg

4. Frusemide  
   Injection, 10mg/ml in 2ml ampoule  
   Tablet, 40mg, 80mg  
   Elixir, 10mg/ml

5. Hydrochlorothiazide  
   Tablet, 25mg

### CV.200 Antiarrhythmics

1. Lidocaine Hydrochloride  
   Injection, 5mg/ml, 10mg/ml, 20mg/ml in 20ml vial

2. Procainamide  
   Injection, 100mg/ml in 10ml vial
<table>
<thead>
<tr>
<th>Drug Name</th>
<th>Formulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloride</td>
<td>Tablet, 250mg</td>
</tr>
<tr>
<td>3. Propranolol Hydrochloride</td>
<td>Injection, 1mg/ml in 1ml ampoule Tablet, 10mg, 40mg</td>
</tr>
<tr>
<td>4. Quinidine Sulphate</td>
<td>Tablet, 200mg</td>
</tr>
<tr>
<td>5. Verapamil</td>
<td>Injection, 2.5mg/ml in 2ml ampoule Tablet, 40mg, 80mg, 120mg</td>
</tr>
</tbody>
</table>

**CV.300 Antihypertensives**

<table>
<thead>
<tr>
<th>Drug Name</th>
<th>Formulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Diazoxide</td>
<td>Injection, 15mg/ml in 20ml ampoule</td>
</tr>
<tr>
<td>2. Enalapril Maleate</td>
<td>Tablet, 2.5mg, 5mg, 10mg, 20mg, 40mg</td>
</tr>
<tr>
<td>3. Hydralazine</td>
<td>Injection, 20mg/ml in 1ml ampoule Tablet, 25mg, 50mg</td>
</tr>
<tr>
<td>4. Methylldopa</td>
<td>Tablet, 250mg, 500mg</td>
</tr>
<tr>
<td>5. Nifedipine</td>
<td>Capsule, 5mg, 10mg, 20mg, 30mg (m/r) Tablet, 10mg, 20mg, 30mg, 40mg, 60mg, 90mg(m/r)</td>
</tr>
<tr>
<td>6. Propranolol</td>
<td>Tablet, 10mg, 40mg Injection, 1mg/ml in 1 ml ampoule</td>
</tr>
</tbody>
</table>
**CV.400 Diuretics**

1. Frusemide  
   - Injection, 10mg/ml in 2ml ampoule  
   - Tablet, 40mg  
   - Elixir, 10mg/ml

2. Hydrochlothiazide  
   - Tablet, 25mg

3. Mannitol  
   - Injection, 25%, in 50ml, 20% in 250ml, 10% in 500ml

4. Spironolactone  
   - Tablet, 25mg, 100mg  
   - Syrup, 5mg, 10mg, 25mg, 50mg, 100mg/5ml

**CV. 500 Medicines Used for Angina/Ischemic Heart Disease**

1. Atenolol  
   - Tablet, 50mg, 100mg

2. Glyceryl Trinitrate (Nitroglycerine)  
   - Tablet (sublingual), 0.3mg, 0.4mg, 0.5mg, 0.6mg  
   - Tablet (Sustained release), 2.5mg

**CV. 600 Medicines Used in Vascular Shock**

1. Adrenaline (Epinephrine)  
   - Injection, 0.1%, 1:1000 1mg/ml

2. Dopamine Hydrochloride  
   - Injection, 40mg/ml
RE.000 RESPIRATORY MEDICINES

RE.100 Antitussives/Expectorants

1. Dexchlorpheniramine + Guaifenesin + Pseudoephedrine
   Syrup, 2mg +100mg +20mg/5ml

2. Dextromethorphan Hydrobromide
   Drops, 15mg/ml
   Syrup, 5mg, 7.5mg, 15mg/5ml
   Tablet, 15mg

3. Dextromethorphan Hydrobromide + Guaicol Sulphonate
   Syrup, 0.3gm +7.6gm/100ml

4. Diphenhydramine +Sodium Citrate + Ammonium Chloride
   Syrup, 12.5mg +60mg + 130mg/5ml

5. Guaifenesin
   Capsule, 200mg
   Syrup, 100mg/5ml
   Tablet, 100mg, 200mg

RE.200 Bronchodilators/Antiasmatics

1. Adrenaline (Epinephrine)
   Injection, 0.1% in 1ml ampoule; 1:1000 1mg/ml

2. Aminophyline
   Injection, 250mg/10ml in 10ml
   Tablet, 100mg, 200mg
3. Beclomethasone Dipropionate  
   Oral Inhalation (aerosol),  
   50mcg/dose, 100mcg/dose,  
   200mcg/dose

4. Ephedrine + Theophylline  
   Elixir, 6mg + 30mg in each 5ml  
   Syrup, 2.24% + 0.30%  
   Tablet, 11mg +120mg

5. Salbutamol  
   Syrup, 2mg/5ml  
   Tablet, 2mg, 4mg  
   Oral Inhalation (aerosol),  
   0.1 mg/dose

**NS.000 CENTRAL NERVOUS SYSTEM MEDICINES**

**NS.100 Analgesics/Antipyretics**

1. Acetylsalicylic Acid  
   Tablet, 75mg, 100mg, (Soluble);  
   300mg, 324mg, (micro fined);  
   75mg, 81mg, 100mg, 500mg  
   (enteric coated)

2. Diclofenac Sodium  
   Injection, 25mg/ml in 3ml  
   ampoule, 75mg/ml

3. Ibuprofen  
   Capsule, 300mg  
   Syrup, 100mg/5ml  
   Tablet, 200mg, 400mg(enteric coated, optional)

4. Morphine Hydrochloride  
   Injection, 10mg/ml, 20mg/ml,  
   30mg/ml
<table>
<thead>
<tr>
<th><strong>5. Morphine Sulphate</strong></th>
<th>Injection (as hydrochloride), 10mg/ml, 20mg/ml</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6. Paracetamol</strong></td>
<td>Syrup, 120mg/5ml, 250mg/5ml</td>
</tr>
<tr>
<td></td>
<td>Suppository, 125 mg, 250 mg</td>
</tr>
<tr>
<td></td>
<td>Tablet, 100mg, 500mg</td>
</tr>
<tr>
<td></td>
<td>Injection, 1gm in 100ml</td>
</tr>
<tr>
<td></td>
<td>Drops, 100mg/ml</td>
</tr>
</tbody>
</table>

**NS.200 Hypnotics and Anxiolytics**

<table>
<thead>
<tr>
<th>1. Bromazepam</th>
<th>Tablet, 1.5 mg, 3mg, 6mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Diazepam</td>
<td>Injection, 5mg/ml in 2ml ampoule</td>
</tr>
<tr>
<td></td>
<td>Tablet, 2mg, 5mg, 10mg</td>
</tr>
<tr>
<td></td>
<td>Syrup, 2mg/5ml</td>
</tr>
</tbody>
</table>

**NS.300 Antidepressants**

<table>
<thead>
<tr>
<th>1. Amitriptyline</th>
<th>Tablet, 10mg, 25mg, 50mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Fluoxetine</td>
<td>Capsule, 20mg</td>
</tr>
</tbody>
</table>

**NS.400 Anticonvulsants**

| 1. Carbamazepine       | Syrup, 100mg/5ml                             |
|                        | Tablet, 100mg, 200mg                         |
| 2. Diazepam            | Injection, 10mg/2ml in 2ml ampoule           |
| 3. Ethosuximide        | Capsule, 250mg                               |
4. Lorazepam
   Injection, 1mg, 4mg/ml

5. Phenytoin
   (Sodium salt)
   Capsule, 50mg, 100mg
   Injection, 50mg/ml in 5ml vial
   Tablet, 50mg, 100mg

6. Phenobarbitone
   (Phenobarbital)
   Elixir, 20mg/5ml
   Injection, 25mg/ml, 100mg/ml
   Tablet, 15mg, 30mg, 60mg, 100mg

7. Sodium Valproate
   Tablet, 200mg, 500mg
   Syrup, 200mg/5ml

**NS.500 Antiparkinsonian Medicines**

1. Benzhexol
   Tablet, 2mg, 5mg

2. Levodopa + Carbidopa
   Tablet, 100mg +10mg;
   250mg +25mg

**NS. 600 Antipsychotic Medicines**

1. Chlorpromazine Hydrochloride
   Injection, 25mg/ml in 1ml and 2
   ml ampoules; 15mg/ml in 2 ml
   ampoule
   Syrup, 25 mg/5ml
   Tablet, 25mg, 50mg, 100mg
   Drops, 25mg/ml in 10ml, 40mg/ml
   in 10ml and 30ml bottle

2. Fluphenazine Decanoate
   Injection (Depot. Oily), 25mg/ml
   in 1ml and 2ml ampoules and in
3. Haloperidol
   Injection, 5mg/ml in 1ml ampoule
   Injection (Depot oily), 50mg/ml,
   100mg/ml in 1ml ampoule
   Tablet, 1mg, 2mg, 5mg

4. Risperidone
   Tablet, 1mg, 2mg, 3mg, 4mg, 6mg
   Liquid, 1mg/ml

**NS.700 Mood Stabilizer**

1. Lithium Carbonate
   Tablet, 300mg, 400mg

**AA.000 MEDICINES USED IN ANAESTHESIA**

**AA.100 General Anaesthetics**

1. Halothane
   Inhalation, 250ml

2. Ketamine
   Injection (Hydrochloride), 10
   mg/ml in 20ml,
   50mg/ml in 10ml ampoule

3. Nitrous Oxide
   Inhalation

4. Propofol
   Injection (emulsion), 10mg/ml in
   20ml ampoule

5. Thiopental Sodium
   Powder for injection, 0.5gm,
   1gm in vial
AA.200 Local Anesthetics

1. Lidocaine Hydrochloride
   Injection, 0.5% 1%, 2%, 5%
   Jelly, 2% in 30 ml
   Ointment, 5% in 10gm
   Spray, 2%, 4%, 10 % in 80g

2. Lidocaine Hydrochloride + Adrenaline
   Injection, 1%+1:200, 000 in 20ml vial
   Injection, 2%+1:200,000 in 20ml vials

AA.300 Anaesthetic Adjuncts and Adjuvants

1. Atropine
   Injection (Sulphate), 1mg/ml

2. Hyoscine Hydrobromide
   Injection (Sulphate), 0.4mg/ml, 0.6mg/ml, 1mg/ml in 1ml ampoule

3. Neostigmine
   Injection, 0.5mg/ml, 2.5mg/ml in 1ml ampoule

4. Oxygen
   Inhalation (Medicinal gas)

AA. 400 Neuromuscular Blockers

1. Pancuronium Bromide
   Injection, 2mg/ml in 2ml ampoule

2. Suxamethonium Chloride (Succinylcholine)
   Powder for injection, 50mg, 100mg, 500mg in vial
   Injection, 50mg/ml
### MS.000 Medicines Used in Musculoskeletal and Joint Disease

#### MS.100 Antirheumatics

1. **Acetylsalicylic Acid**
   - Tablet, 75mg, 100mg (soluble), 300mg, 324mg (microfined), 500mg (e/c)

2. **Diclofenac Sodium**
   - Injection, 25mg/ml in 3ml ampoule, 75mg/ml
   - Suppository, 12.5mg, 25mg, 50mg, 100mg
   - Tablet, (e/c coated), 25mg, 50mg, 75mg(s/r)
   - Capsule (s/r), 75 mg

3. **Ibuprofen**
   - Capsule, 300mg
   - Syrup, 100mg/5ml
   - Tablet, 200mg, 400mg (e/c optional)

#### MS.200 Medicines Used for Gout

1. **Allopurinol**
   - Tablet, 100mg

2. **Indomethacin**
   - Capsule, 25mg, 50mg, 75mg
## AI.000 ANTI-INFECTIVES

### AI.100 Antibacterial

#### AI.101 Penicillins

| 1. Amoxicillin | Capsule, 250mg, 500mg  
Syrup, 125mg/5ml, 250mg/5ml  
Tablet, 500mg  
Injection, 250mg, 500mg in vial |
|----------------|------------------------------------------------------------------|
| 2. Amoxicillin + Clavulanic Acid | Oral suspension, 125mg + 31.25mg/5ml, 200mg + 28.5mg/5ml, 250mg + 62.5mg/5ml, 400mg +57mg/5ml  
Capsule, 500mg +125mg, 875mg +125 mg  
Injection, 500mg +100mg, 1g +200mg  
Tablet (chewable), 125mg + 31.25mg, |
| 3. Ampicillin | Capsule, 250mg, 500mg  
Oral suspension, 125mg/5ml, 250mg/5ml  
Injection (Sodium), 250mg, 500mg, 1g in vial |
| 4. Cloxacillin | Capsule, 250mg, 500mg  
Injection, 250mg, 500mg in vial  
Suspension, 125mg/5ml, 250mg/5ml in each 5ml |
<p>| 5. Penicillin G Benzanthin | Injection, 0.6, 1.2, 2.4, MIU in vial |</p>
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Formulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.</td>
<td>Penicillin G, Sodium Crystalline</td>
<td>Injection, 1 MIU, 10 MIU, 20 MIU in vial</td>
</tr>
<tr>
<td>7.</td>
<td>Procaine Penicillin Fortified (Buffered)</td>
<td>Injection, 4,000,000 IU in vial</td>
</tr>
</tbody>
</table>

### AI.102 Other Antibacterials

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Formulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Ceftriaxone</td>
<td>Injection, 0.25g, 0.5g, 1g, 2g in vial</td>
</tr>
<tr>
<td>2.</td>
<td>Chloramphenicol</td>
<td>Capsule, 250mg; Injection(sodium succinate), 1gm in vial; Syrup, 125mg/5ml; Oily suspension for injection, 0.5gm (as sodium succinate)/ml in 2 ml ampoule</td>
</tr>
<tr>
<td>3.</td>
<td>Doxycycline</td>
<td>Tablet, 100mg; Capsule, 100mg</td>
</tr>
<tr>
<td>4.</td>
<td>Erythromycin</td>
<td>Tablet (Stearate), 250mg, 500mg; Suspension, 125mg/5ml, 200mg/5ml, 250mg/5ml; Capsule, 250mg</td>
</tr>
<tr>
<td>5.</td>
<td>Gentamicin</td>
<td>Injection, 40mg/ml, 80mg/2ml</td>
</tr>
<tr>
<td>6.</td>
<td>Metronidazole</td>
<td>Intravenous Infusion, 5mg/ml in 100ml; Tablet/Capsule, 250mg; Cream, 0.75%, 1%; Gel/Lotion, 1%</td>
</tr>
<tr>
<td>No.</td>
<td>Medication</td>
<td>Formulations</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------------------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>7.</td>
<td>Neomycin</td>
<td>Tablet, 500mg</td>
</tr>
<tr>
<td>8.</td>
<td>Nitrofurantoin</td>
<td>Capsule, 50mg, 100mg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oral Suspension, 0.5% W/V</td>
</tr>
<tr>
<td>9.</td>
<td>Sulphamethoxazole + Trimethoprim</td>
<td>Tablet: (pediatric), 100mg +20mg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Dispersible); (adult), 400mg +</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80mg; 800mg +160mg</td>
</tr>
<tr>
<td>10.</td>
<td>Tetracycline Hydrochloride</td>
<td>Capsule, 250mg</td>
</tr>
</tbody>
</table>

**AI.103 Antituberculars**

<table>
<thead>
<tr>
<th>No.</th>
<th>Medication</th>
<th>Formulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Ethambutol</td>
<td>Tablet, 100mg, 400mg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oral liquid, 25mg/ml</td>
</tr>
<tr>
<td>2.</td>
<td>Isoniazid</td>
<td>Injection, 100mg/ml in 10ml ampoule</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tablet, 100mg, 300mg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oral liquid, 50mg/5ml</td>
</tr>
<tr>
<td>3.</td>
<td>Pyrazinamide</td>
<td>Tablet, 400mg, 500mg, 750mg</td>
</tr>
<tr>
<td>4.</td>
<td>Rifampicin</td>
<td>Capsule, 150mg, 300mg, 600mg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Syrup, 20mg/5ml</td>
</tr>
<tr>
<td>5.</td>
<td>Rifampicin +Isoniazide</td>
<td>Capsule, 150mg+100mg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tablet, 60mg +30mg, 150mg +100mg,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>300mg +150mg, 150mg +75mg</td>
</tr>
<tr>
<td>6.</td>
<td>Rifampicin +Isoniazide + Pyrazinamide</td>
<td>Tablet (Dispersible), 60mg +30mg +</td>
</tr>
<tr>
<td></td>
<td></td>
<td>150mg Tablet, 150mg +75mg +400mg</td>
</tr>
</tbody>
</table>
8. Rifampicin + Isoniazid + Pyrazinamide + Ethambutol
   Tablet, 150mg + 75mg + 400mg + 275mg

7. Streptomycin
   Powder for injection, 1gm, 5gm base

**AI.104 Antileprotics**

1. Clofazimine
   Capsule, 50mg, 100mg

2. Dapsone
   Tablet, 25mg, 50mg, 100mg
   Injection, 20% in 50ml ampoule

3. Rifampicin
   Capsule, 150mg, 300mg, 600mg

**AI.200 Antifungals**

1. Fluconazole
   Capsule/Tablet, 50mg, 100mg, 200mg
   Oral suspension, 50mg/5ml, 200mg/5ml
   IV infusion (in Sodium chloride), 2mg + 9mg/ml

2. Griseofulvin
   Tablet, 125mg, 250mg, 500mg

3. Ketoconazole
   Tablet, 200mg Syrup, 20mg/5ml

4. Miconazole
   Oral gel, 25mg/vial Tablet, 250mg

5. Nystatin
   Tablet, 500,000IU
AI.300 ANTIVIRALS

AI.301 Antiretrovirals

1. Abacavir Sulphate
   Tablet, 60mg, 300mg
   Oral liquid, 20mg/ml

2. Didanosine
   Tablet, 250mg, 150mg
   Chewable/dispersible tablet, 100mg
   Capsule (delayed release), 250mg, 400mg

3. Efavirenz
   Capsule, 50mg, 100mg, 200mg
   Tablet, 50mg, 200mg, 600mg

4. Efavirenz + Emtricitabine + Tenofovir
   Tablet, 600mg +200mg +300mg

5. Emtricitabine + Tenofovir
   Tablet, 200mg +300mg

6. Indinavir
   Capsule, 200mg, 400mg

7. Lamivudine
   Tablet, 150mg
   Oral Solution, 10mg/ml

8. Lamivudine + Zidovudine
   Tablet, 150mg +300mg, 30mg + 60mg

9. Lamivudine + Nevirapine + Stavudine
   Tablet, 150mg +200mg +30mg
10. Lamivudine +
   Zidovudine +
   Nevirapine
   Tablet, 150mg +300mg +200mg;
   30mg +60mg +50mg

11. Lopinavir +Ritonavir
   Oral suspension, 80mg +20mg/ml
   Tablet, 200mg +50mg;
   100mg +25mg
   Capsule, 133.33mg +33.33mg

12. Nelfinavir
   Tablet, 250mg
   Oral powder, 50mg/g

13. Nevirapine
   Tablet, 200mg
   Oral suspension, 50mg/ml

14. Ritonavir
   Capsule, 100mg
   Oral Solution, 80mg/ml

15. Saquinavir
   Capsule, 200mg
   Oral Solution, 80mg/ml
   Tablet, 500mg

16. Stavudine
   Capsule, 15mg, 20mg, 30mg
   Powder for oral solution, 1mg/ml

17. Tenofovir
   Tablet, 300mg

18. Zidovudine/
   Azidothymidine
   Capsule, 100mg, 250mg
   Tablet, 300mg
   I.V Infusion, 10mg/ml
   Syrup, 50mg/5ml
AI. 302 Other Antivirals

1. Acyclovir
   Tablet, 200mg, 400mg
   Powder for Injection, 250mg, 500mg
   Cream, 5% 2gm
   Ointment, 5%

AI.400 Antiprotozoals

AI.401 Antimalarials

1. Artemether +
   Lumefantrine
   Tablet, 20mg +120mg
   (Dispersible)

2. Chloroquine Phosphate
   Injection, 50mg/ml (equivalent to
   40mg/ml base)
   Syrup, 50mg base/5ml
   Tablet, 250mg, 500mg(equivalent
to 150mg, 300mg base)

3. Mefloquine
   Hydrochloride
   Tablet, 250mg

4. Primaquine Phosphate
   Tablet, 7.5 mg, 15mg base

5. Quinine-
   Dihydrochloride
   Injection, 300mg/ml in 1ml
   ampoule
   Tablet, 300mg, 600mg
AI.402 Amoebicides

1. Diloxanide Furoate  Tablet, 500mg
2. Metronidazole  Suspension (Oral), 125mg/5ml, 200mg/5ml, 250mg/5ml  Syrup, 4% W/V, 250mg/5ml  Capsule/Tablet, 250mg
3. Tinidazole  Tablet, 250mg, 500mg

AI.403 Antigiardial Agents

1. Metronidazole  Oral Suspension, 125mg/5ml, 200mg/5ml, 250mg/5ml  Syrup, 4% W/V, 250mg/5ml  Tablet/Capsule, 250mg
2. Tinidazole  Tablet, 250mg, 500mg

AI.404 Antileishmania Medicines

1. Amphotericin B  Powder for injection, 50mg/vial  Liposomal Injection, 10mg/ml, 50mg/vial  Lozenges, 10mg  Oral suspension, 100mg/ml
2. Hexadecyl-Phosphocholine  Capsule, 10mg, 50mg
3. Pentamidine Isethionate  Powder for Injection, 200mg, 300mg/vial
4. Sodium Stibogluconate  Injection, 100mg/ml
### AI.405 Trypanocides

1. **Pentamidine**
   - Powder for injection (Isethionate), 200mg

2. **Suramin Sodium**
   - Powder for Injection, 1gm in vial

### AI.406 Medicines for Toxoplasmosis

1. **Pyrimethamine**
   - Tablet, 25mg

2. **Clindamycin**
   - Capsule, 75mg, 150mg
   - Injection, 150mg/ml in ampoule
   - Oral Solution, 15mg/ml

3. **Sulfadoxine + Pyrimethamine**
   - Injection, 500mg +25 mg in 2.5ml ampoule
   - Tablet, 500mg +25mg

### AI. 500 Anthelmintics

### AI. 501 Filaricides

1. **Diethyl Carbamazine**
   - Tablet, 50mg

2. **Ivermectin**
   - Tablet, 3mg, 6mg (Scored)

### AI.502 Schistosomicides

1. **Praziquantel**
   - Tablet, 600mg
AI.503 Other Anthelmintics

1. Albendazol  
   Tablet, 200mg, 400mg  
   Oral suspension, 100mg/5ml

2. Levamisole  
   Tablet (hydrochloride), 40mg

3. Mebendazole  
   Oral suspension, 100mg/5ml  
   Tablet, 100mg, 500mg

4. Niclosamide  
   Tablet (Chewable), 500 mg

5. Piperazine  
   Elixir (Citrate), 500mg/5ml, 622.5mg, 706mg/5ml, 750mg, 937.5mg/5ml, 1gm/5ml  
   Tablet (Adipate), 300mg

6. Pyrantel Pamoate  
   Oral Suspension, 250mg base/5ml  
   Tablet, 125mg base

7. Thiabendazole  
   Suspension, 500mg /5ml  
   Tablet, 500mg
ED.000 MEDICINES USED IN ENDOCRINE DISORDER AND CONTRACEPTIVES

ED.100 Corticosteroidal Preparations

1. Dexamethasone
   - Tablet, 0.5mg, 0.75mg, 1mg, 2mg, 4mg
   - Injection, 4mg/ml, 25mg/ml, 50mg/ml

2. Hydrocortisone
   - Injection (Sodium Succinate), 50mg/ml in 2ml ampoule, 125 mg/ml
   - Tablet (Acetate), 5mg, 10mg

3. Prednisolone
   - Tablet, 1mg, 3.5mg, 5mg, 10mg
   - Injection (Sodium Phosphate), 10mg/ml, 25mg/ml in 2ml ampoule

ED.200 Thyroid Hormones and Antithyroid Agents

1. Aqueous Iodine Solution (Iodine + Potassium Iodide)
   - Solution, 5% + 10%

2. Propylthiouracil
   - Tablet, 25mg, 50mg, 100mg

3. Thyroxine
   - Tablet (sodium), 0.05mg, 0.1 mg
**ED.300 Insulin and Oral Antidiabetic Agents**

1. Glibenclamide  
   Tablet, 5mg

2. Insulin  
   Injection (Soluble /Natural),  
   100 units in10ml Vial, (Zinc  
   Suspension /lente), 100units/ml  
   in 10ml vial

3. Metformin  
   Tablet, 500mg, 850mg

**ED.400 Female Sex Hormone Preparations**

1. Norethindrone  
   (Norethisterone)  
   Tablet, 5mg

2. Hydroxyprogesterone  
   Injection (Caproate), 250mg/ml  
   in1ml ampoule

**ED.500 Contraceptives**

**ED.501 Combined Oral Contraceptives**

1. Levonorgestrel (D-Norgestrel)  
   +Ethinylestradiol  
   with/without Iron  
   Tablet, 0.15mg +0.03mg, 0.25mg  
   + 0.05mg, 0.5mg +0.05mg,  
   0.3mg + 0.03mg;  
   0.05mg +0.03mg (6tablet),  
   0.075mg +0.04mg (5tablet),  
   0.125mg+0.03mg (10tablet)

2. Norethindrone  
   (Norethisterone) +  
   Ethinylestradiol  
   Tablet, 0.5mg +0.035mg
**ED.502 Progestrone Only Contraceptives**

1. Leovonorgestrel (D-Nongestrel)  
   Implant Capsule (Subdermal),  
   108mg/capsule pack of 2 capsules;  
   75mg/capsule pack of 2 capsules  
   Tablet, 0.03mg, 0.75mg

2. Medroxyprogesterone  
   Injection (Acetate), 150mg/ml in  
   1ml vial

3. Norethindrone  
   Tablet (Enanthate), 0.35mg

**ED.503 Contraceptive Devices, and Barriers**

1. Condoms  
   (Male, Female)

2. Copper T380 A

**OG.000 OBSTETRIC AND GYNAECOLOGICAL MEDICATIONS**

1. Clotrimazole  
   Tablet (Vaginal), 100mg, 500mg  
   Cream (vaginal), 1%

2. Ergometrin  
   Injection, 0.25mg/ml, 0.5mg/ml in  
   1ml ampoule  
   Tablet, 0.25mg, 0.5mg

3. Magnesium Sulphate  
   Injection, 2%, 5%, 10%, 20%,  
   50% in 20ml
4. Metronidazole Tablet, 250mg (oral), 500mg (vaginal)

5. Misoprostol Tablet, 100mcg, 200mcg, 400mcg, 800mcg

6. Oxytocin Injection, 1unit/ml, 5unit/ml 10unit/ml

7. Pethidine Hydrochloride Injection, 50mg/ml in 1ml and 2ml ampoules

AN.000 ANTINEOPLASTIC AND RELATED AGENTS

1. Bleomycin Powder for Injection, 15units /vial

2. Busulfan Tablet, 0.5 mg, 2mg

3. Calcium Folinate Tablet, 15mg

4. Cisplatin Injection, 10mg, 50mg/ vial

5. Cyclophosphamide Tablet, 50mg Powder for injection, 200mg, 500mg, 1000mg in vial

6. Doxorubicin Powder for Injection, 10mg, 50mg in vial

7. Fluorouracil Injection, 250mg, 500mg in ampoule

8. Methotrexate Tablet, 2.5mg Injection (Sodium), 5mg, 50mg
9. Ondansentron Injection, 2mg/ml, 4mg/ml, 8mg/ml
10. Tamoxifen Citrate Tablet, 10mg, 20mg
11. Vincristine Sulphate Powder for Injection, 1mg, 5mg in vial

**BL.000 BLOOD PRODUCTS AND MEDICINES AFFECTING THE BLOOD**

**BL.100 Anticoagulants**

1. Heparin Injection, 1,000U/ml, 5,000U/ml, 10,000U/ml, 12,500U/ml, 25,000U/ml
2. Warfarin Sodium Tablet, 2mg, 5mg, 10mg

**BL.200 Hemostatic Agents**

1. Phytomenadione (Vitamin K1) Injection, 1mg/0.5ml, 10mg/ml in 1ml ampoule

**BL.300 Antianemic Agents**

1. Cyanocobalamin (Vitamin B12) Injection, 100mcg/ml, 1000mcg/ml in 1ml ampoule
2. Ferrous Salt ∞ Capsule, Drop, Tablet (e/c)
3. Ferrous Salt ∞ + Folic Acid Capsule, (sulphate)150mg + 0.5mg
Any ferrous salt containing elemental form of accepted therapeutic value

4. Folinic Acid
   Tablet, 15mg

5. Iron Complex
   Injection (Dextran Sorbitol),
   50mg/ml in 2ml ampoule

BL. 400 Antiplatelet

1. Acetylsalicylic Acid
   Tablet, 75mg, 81mg, 100mg
   (enteric coated)

WE.000 MEDICINES USED FOR CORRECTING
WATER, ELECTROLYTE AND ACID BASE BALANCE

WE.100 Oral

1. Ammonium Chloride
   Tablet, 500mg

2. Calcium Gluconate
   Syrup, 4g/15ml
   Tablet, 500mg

3. Oral Rehydration Salt
   Powder, each sachet for 1 litre
   contains:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Gram/Liter</th>
<th>mmol/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium</td>
<td>2.6</td>
<td>Sodium</td>
</tr>
<tr>
<td>Glucose anhydrase</td>
<td>13.5</td>
<td>Chloride</td>
</tr>
<tr>
<td>Potassium chloride</td>
<td>1.5</td>
<td>Glucose anhydrase</td>
</tr>
<tr>
<td>Trisodium citrate dehydrate</td>
<td>2.9</td>
<td>Potassium</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Citrate</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total osmolarity</td>
</tr>
</tbody>
</table>

4. Potassium Chloride
   Tablet, 300mg, 500mg, 600mg, 750mg, 1g
5. Sodium Bicarbonate Tablet, 500mg

WE.200 Parenteral

1. Calcium Gluconate Injection, 10% in 10ml ampoule
2. Dextran (MW 70,000) Solution, 6% w/v in 5% dextrose
3. Dextrose Injection, 5% in 500ml, 1000ml; 10% in 500ml, 1000ml; 40% in 20ml; 50% in 50ml; 5% in normal saline in 500ml, 1000ml; 10% in 500ml, 1000ml
4. Potassium Chloride Injection, 150mg/ml in 10ml ampoule
5. Sodium Bicarbonate Injection (concentrated), 7.5% (40MEq/50ml) in 50ml ampoule; 8.4% (50meq/50ml)
6. Sodium Chloride Injection, 0.9% (Normal Saline), 10ml, 20ml, 500ml, 1000ml; 235mg/ml, 3% in 500ml

VT.000 VITAMINS

VT.100 Vitamins, single

1. Ascorbic acid Tablet, 100mg, 500mg, 1g (Vitamin C)
2. Cholecalciferol Capsule, 250mcg
(Vitamin D3)

3. Cyanocobalamine (Vitamin B12) Injection, 100mcg/ml, 1000mcg/ml in 1ml ampoule

4. Folic Acid Tablet, 200mcg, 1mg, 5mg

5. Phytomenadione (Vitamin K1) Injection, 1mg/0.5ml, 10mg/ml in 1ml ampoule

6. Pyridoxine Hydrochloride (Vitamin B6) Tablet, 100mg

7. Thiamine Hydrochloride (Vitamin B1) Tablet, 5mg, 10mg, 100mg, 300mg

8. Vitamin A Tablet, 50,000IU, 100,000IU, 200,000IU
   Oral solution, 150,000IU/ml (concentrate), 50,000IU/ml

**VT.200 Vitamins, combinations**

1. Vitamin A + D Capsule, 4,000IU + 400IU

**VT.300 Vitamin B Complex Preparations**

1. Vitamin B1+B6+B12 Tablet/Injection, 100mg +200mg +1000 mcg

**VT.400 Multivitamin with Minerals and/or Extracts**
*And any other combination proven to be therapeutically can be used

**AL.000 ANTIHISTAMINES**

1. Cetrizine  Oral solution, 1mg/ml,  
              Tablet, 5mg, 10 mg

2. Chlorpheniramine Maleate  Tablet, 2mg, 4mg, 6mg

3. Promethazine  Elixir (Hydrochloride), 5mg/5ml  
                 Injection (Hydrochloride),  
                 25mg/ml in 1ml and 2ml ampoules  
                 Suppository (Hydrochloride),  
                 25mg, 50mg  
                 Tablet (Hydrochloride), 10mg, 25 mg

**OP.000 OPTHALMIC AGENTS**

**OP.100 Antiglaucoma**

1. Acetazolamide  Tablet, 250mg  
                 Capsule, 500mg (s/r)  
                 Injection, 125mg, 500mg

2. Betaxolol  Eye drops, 0.5%

3. Glycerin  Oral solution, 50%, 70%

4. Mannitol  Parenteral (IV), 20%, 25%

5. Pilocarpine  Eye drops, 2%, 3%, 4%,
Hydrochloride 5%, 6%, 8%, 10%  
Ointment, 2%, 3%, 4%  
6. Timolol Maleate  Eye drops, 0.25%, 0.5%

**OP.200 Mydriatics/ Cycloplegics**

1. Atropine Sulphate  Eye ointment, 1%  
                     Eye drops, 0.5%, 1%  
2. Cyclopentolate  Eye drops, 0.5%, 1%, 2%  
Hydrochloride  
3. Tropicamide  Eye drops, 0.5%, 1%

**OP. 300 Anti-infective, Ophthalmic**

**OP. 301 Antibacterials**

1. Chloramphenicol  Eye ointment, 1%, 5%  
                    Eye drops, 0.4%, 0.5%, 1%, 5%  
2. Gentamicin  Eye drops, 0.3%  
3. Tetracycline  Eye ointment, 1%  
                Eye drops, 1%  
4. Tobramycin  Eye drops, 0.3%

**OP.302 Antivirals**

1. Acyclovir  Eye ointment, 3%

**OP. 303 Antifungals**

1. Amphotericine B  Eye ointment, 0.3%, 2%
2. Econazole  Eye drops, 1%

**OP. 400 Anti-inflammatory/Anti-allergic Medicines**

1. Antazoline + Naphazoline  
   Eye drops, 0.025% + 0.5%
2. Dexamethasone  
   Eye drops, 0.1%
3. Methylprednisolone  
   Injection, 40mg/ml in 1ml ampoule
4. Oxymetazoline Hydrochloride  
   Eye drops, 0.025%, 0.05%
5. Prednisolone  
   Eye drops, 0.25%, 1%
6. Tetrahydrozoline Hydrochloride  
   Eye drops, 0.05%

**OP. 500 Anti-infective/Anti-inflammatory Combinations**

1. Oxytetracycline Hydrochloride + Hydrocortisone Acetate +Polymixin B sulphate  
   Eye drops, 5mg +15mg + 10,000U/ml
2. Tobramycin + Dexamethasone  
   Eye drops, 0.3%+0.1%
OP. 600 Anesthetics, Local

1. Lidocaine Hydrochloride Injection, 1%, 2%

2. Lidocaine Hydrochloride + Adrenaline Injection, 1%, 2% +1: 1000IU

3. Tetracaine Hydrochloride Eye drops, 0.5%

OP. 700 Diagnostics and Miscellaneous Agents

1. Fluorescein sodium Eye drops, 0.25%, 0.4%
   Eye paper (sterile strip)
   Injection, 0.5%, 2.5%, 5%, 10% in 10ml ampoule

2. Povidone Iodine Eye drops, 1%, 5%, 10% bottle

EN.000 EAR, NOSE AND THROAT PREPARATIONS

1. Chloramphenicol Ear drops, 1%, 2%, 5%

2. Gentian Violet Solution, 1%

3. Hydrogen Peroxide Solution, 1.5%, 3%

4. Lidocaine Spray (Hydrochloride), 4%
5. Nystatin  Suspension, 100000 units /ml
6. Xylometazoline  Solution(nose drops), 0.05%, 0.1%

DE.000 DERMATOLOGICAL AGENTS

DE.100 Anti-infectives, Topical

1. Benzoic Acid + Whitefield Ointment, 6% + 3%, Salicylic Acid 12% + 6%
2. Benzyl Benzoate Lotion, 25%
3. Clioquinol Cream, 3% Ointment, 3%
4. Clotrimazole Cream, 1%
5. Gentian Violet Solution, 0.5%, 1%
6. Miconazole Cream (Nitrate), 2%

DE.200 Anti-inflammatories, Topical

1. Betamethasome Cream, 0.1% Valerate Ointment, 0.1%
2. Hydrocortisone Acetate Cream, 1% Ointment, 1%
DE.300 Keratolytics/Caustics and Antiacne Agents

1. Benzoyl Peroxide  Gel, 2.5%, 5%, 10%
                  Solution, 2.5%, 5, 10%

2. Salicylic Acid   Ointment, 2%, 5%, 10%

DE.400 Medicines for Psoriasis and Eczema

1. Calcipotriol    Cream, Ointment (scalp application), 0.005%

2. Dithranol      Paste, 1%
                  Scalp application, 0.25%, 0.5%

3. Ichthammol     Ointment, 10%, 20%

4. Zinc Oxide     Ointment, 15%

5. Zinc Oxide + Talc Paste, 15% + 25%

DE.500 Antipruritics

1. Calamine       Lotion, 5%

2. Crotamiton     Lotion, 10%
                  Cream, 10%
## IM.000 IMMUNOLOGICAL PREPARATIONS

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<tr>
<th>No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>1.</td>
<td>Anti-Rho (D) Immune Globulin</td>
<td>Injection, 2ml in vial; 120mcg, 300mcg</td>
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<td>2.</td>
<td>BCG Vaccine</td>
<td>Injection, 500,000 organisms /ml in 0.05ml, 0.1ml</td>
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<td>3.</td>
<td>Diphtheria Antitoxin</td>
<td>Injection, 2000 units/ml in 5ml</td>
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<td>4.</td>
<td>Diphtheria and Tetanus Toxoid</td>
<td>Injection, 0.5ml</td>
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<td>5.</td>
<td>Diphtheria, Tetanus Toxoid and Pertussis Vaccine</td>
<td>Injection, 0.5ml</td>
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<td>6.</td>
<td>Hepatitis B Vaccine, inactivated</td>
<td>Injection, 16.5% in 2ml, 10ml</td>
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<tr>
<td>7.</td>
<td>Hepatitis B Vaccine Recombinant Yeast DNA</td>
<td>Injection, 0.5ml</td>
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<td>8.</td>
<td>Human Antirabies Immunoglobulin</td>
<td>Injection, 150 IU/ml in 2ml</td>
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<td>9.</td>
<td>Immune Serum Globulin, Human (Gamma Globulin, Human)</td>
<td>Injection, 16.5% in 2ml, 5ml</td>
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<tr>
<td>10.</td>
<td>Measles Virus Vaccine Live Attenuated</td>
<td>Injection, 0.5ml</td>
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11. Pentavalent Injection, 0.5ml
   (Diphtheria, Pertussis, Tetanus, Haemophilus Influenzae B, and Hepatitis B) Vaccine

12. Poliomyelitis Vaccine, Oral, 0.5ml, 10ml, and 20ml
    Trivalent Type I, II, and III

13. Rabies (Human Diploid Cell) Vaccine Injection, 2.5IU/ml in 2ml
14. Snake Venom Polyvalent Injection, 10ml
   Antiserum

15. Tetanus Antitoxin, Injection, 1500 Units, 3000Units, 20,000Units
    Equine

16. Tetanus Toxoid Injection, 0.5ml, 1ml

AN.000 ANTIDOTES AND OTHER SUBSTANCES USED IN POISONING

1. Acetylcysteine Injection, 200mg/ml in 10ml ampoule
2. Activated Charcoal Tablet, 125mg, 250mg
   Powder for reconstitution, 15gm/120ml, 25gm
   Gel, 300ml
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<td>3.</td>
<td>Atropine Injection (sulphate), 1mg/ml in 1ml ampoule</td>
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<td>4.</td>
<td>Calcium Injection (gluconate), 10% in 10ml ampoule</td>
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<tr>
<td>5.</td>
<td>Nitrite Injection (Sodium), 3% (30mg/ml)</td>
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<td>6.</td>
<td>Phytomenadione Injection (Vitamin K1), 10mg/ml in 1ml ampoule</td>
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<tr>
<td>7.</td>
<td>Protamine Injection (sulphate), 10mg/ml in 5ml ampoule; 250mg (10mg/ml), 25ml</td>
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<tr>
<td>8.</td>
<td>Thiosulphate Injection (Sodium), 10% in 50ml ampoule</td>
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**MI.000 MISCELLANEOUS**

1. Aluminum Sulphate + Calcium Hypochlorite + Sodium Carbonate Water treatment powder in the ratio of 23:1:1 by weight

2. Anticoagulant Citrate Dextrose Solution (ACDS) Sodium Citrate + Citric Acid + Dextrose Solution, 1.32 + 0.44g + 1.47g in each 100ml

3. Barium Sulfate Powder in Sachets
4. Calcium Hypochlorite + Iron Sulphate + Bentonite + Potassium Permanganate Polyacrylamide + Sodium Carbonate

5. Paraffin Gauze Dressing

6. Talc Dusting Powder

7. Water for Injection in 2ml, 5ml, 10ml
ANNEXES

Annex I: List of Consultative Workshops Participants

<table>
<thead>
<tr>
<th>S/N</th>
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<th>Profession</th>
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<tr>
<td>1</td>
<td>Abenet Denberu (Ato)</td>
<td>Caroga Pharma</td>
<td>Pharmacist</td>
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<tr>
<td>2</td>
<td>Abenet Tafesse (Dr.)</td>
<td>Addis Ababa University-Faculty of Medicine</td>
<td>Neurologist</td>
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<td>3</td>
<td>Abrahim Salih (Ato)</td>
<td>Harari Regional Health Bureau</td>
<td>Pharmacist</td>
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<tr>
<td>4</td>
<td>Addisu Abera Addis (Ato)</td>
<td>Dire Dawa Regional Health Bureau</td>
<td>Pharmacist</td>
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<tr>
<td>5</td>
<td>Adefris Debalke (Dr.)</td>
<td>Addis Ababa University-Faculty of Medicine</td>
<td>ENT specialist</td>
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<td>6</td>
<td>Ahmed Kemal (Ato)</td>
<td>Food, Medicines and Healthcare Administration and Control Authority</td>
<td>Pharmacist</td>
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<td>7</td>
<td>Amanuel Tefera (Ato)</td>
<td>Ethiopian Druggists Association</td>
<td>Druggist</td>
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<td>8</td>
<td>Asmamaw Silesh (Ato)</td>
<td>Ethiopian Pharmaceutical Association</td>
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<td>9</td>
<td>Aynalem Abraha (Dr.)</td>
<td>Addis Ababa University-Faculty of Medicine</td>
<td>Oncologist</td>
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<td>Bekele Tefera (Ato)</td>
<td>World Health Organization</td>
<td>Pharmacist</td>
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<td>Cherinet Demissie (Ato)</td>
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<td>12</td>
<td>Daniel Argaw (Dr.)</td>
<td>World Health Organization</td>
<td>Public Health-Specialist</td>
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<td>Direbe Kumssa Dibaba (Ato)</td>
<td>Armed Force Hospital</td>
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<td>14</td>
<td>Edgegayehu Hailu (W/t)</td>
<td>Management Sciences for Health/Strengthening Pharmaceutical Systems</td>
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<tr>
<td>15</td>
<td>Eyasu Mekonnen (Prof.)</td>
<td>National Drug Advisory Committee/Addis Ababa University-Faculty of Medicine</td>
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<td>Ezra Muluneh (Ato)</td>
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<td>17</td>
<td>Fekade Bruck (Ato)</td>
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<td>Fisseha G/Tsadik (Ato)</td>
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<td>Getnet Negussie (Dr.)</td>
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<td>Haddis Solomon (Dr.)</td>
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<td>Psychiatrist</td>
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<td>Helawe Ketema (Ato)</td>
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<td>Kidane Melles (Dr.)</td>
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<td>Lombo Desta (W/t)</td>
<td>Federal Ministry of Health</td>
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<td>Mebrahtu Eyasu Belete (Ato)</td>
<td>St. Paul's Generalized Specialized Hospital</td>
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<td>Mengistab Tsegaye (Ato)</td>
<td>Tigray Regional Health Bureau</td>
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<td>Mengistab W/Aregay (Ato)</td>
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<td>Mengistu Hiletework (Dr.)</td>
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<td>Dermatologist</td>
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<td>Merie Harrero (Dr.)</td>
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<td>Mesafint Abeje (Ato)</td>
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<td>BSc.Nurse</td>
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<td>Selamawit Ashagre (Dr.)</td>
<td>National Drug Advisory Committee/Police Hospital</td>
<td>Obst. &amp; Gynecologist</td>
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<td>Solomon G/Amanuel (Ato)</td>
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<td>Sufyan Abdulber (Ato)</td>
<td>Federal Ministry of Health</td>
<td>Pharmacist</td>
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<td>36</td>
<td>Tassew Tadesse (Dr.)</td>
<td>Yekatit 12 Hospital</td>
<td>Surgeon</td>
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<td>Tewodros Tefera (Dr.)</td>
<td>Yekatit 12 Hospital</td>
<td>Dental Surgeon</td>
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<td>Tilahun Seifu (Dr.)</td>
<td>Addis Ababa University</td>
<td>Pediatrician</td>
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<td>Tsige GebreMariam (Prof.)</td>
<td>National Drug Advisory Committee/Addis Ababa University</td>
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<td>Wassu Gedefaw (Ato)</td>
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<td>Wondwosen Assefa (Ato)</td>
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<td>Yewondosen Tadesse (Dr.)</td>
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<td>Internist/Nephrologist</td>
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<td>43</td>
<td>Yilikal Adamu (Dr.)</td>
<td>National Drug Advisory Committee/Addis Ababa University-Faculty of Medicine</td>
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<td>Zelleke Dagnachew (Dr.)</td>
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<td>Zinash Miliyon (W/t)</td>
<td>St. Peter Hospital</td>
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Annex II: ADR Reporting Format
Annex III: Standard Prescription

**PRESCRIPTION PAPER**

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<td>Patient’s full Name: ______________________________</td>
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<td>Sex: ___ Age: ___ Weight: _____ Card No. ___________</td>
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<td>House No. ____ Tel. No: ________ □ Inpatient □ Outpatient</td>
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<td>Diagnosis, if not ICD ______________________________________________________________________</td>
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<tr>
<th>Drug Name, Strength, Dosage Form, Dose, Frequency, Duration, Quantity, How to use &amp; other information</th>
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See overleaf
Please Note the Following Information

1. **Prescriptions:**
   - are valid only if it has the seal of the health institution
   - filled and blank are legal documents, treat them as fixed assets
   - written and verbal information to the client complement one another

2. **The prescriber:**
   - drug treatment is only one of the treatment options
   - write the prescription correctly and legibly
   - diagnosis and other parts of the prescription have to be complete
   - abbreviations are NOT recommended
   - please accept prescription verification call from the dispenser

3. **The Dispenser:**
   - check legality of the prescription
   - check completeness and accuracies before dispensing
   - check for whom the medicine is being dispensed: actual client or caretaker
   - if in doubt about the contents of the prescription; verify with the prescriber
   - containers used for packaging must be appropriate for the product
   - labels of drugs should be clear, legible and indelible
   - drugs should be dispensed with appropriate information and counseling
   - keep filled prescriptions at least for 2 years

4. **Minimum drug label information** should include the following:
   - Patient name
   - Generic name, strength and dosage form of the medicine
   - Dose, Frequency and Duration of use of the medicines
   - Quantity of the medicine dispensed
   - How to take or administer the medicine?
   - Storage condition
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<td>Gel, Solution</td>
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<td>Benzyl Benzoate</td>
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<td>Betamethasome Valerate</td>
<td>Cream, Ointment</td>
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<td>Betaxolol</td>
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<td>Bisacodyl</td>
<td>Suppository, Tablet</td>
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<tr>
<td>Bismuth Subgallate + Bismuth Oide + Peru Balsam + Zinc Oxide + Hydrocortisone Acetate + Benzyl Benzoate</td>
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<td>Bismuth Subgallate + Bismuth Oxide + Peru Balsam + Zinc Oxide</td>
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<tr>
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<tr>
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<tr>
<td>Calamine</td>
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<td>Cisplatin</td>
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<td>Clindamycin</td>
<td>Capsule, Injection, Oral solution</td>
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<td>Cream, Ointment</td>
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