

Kenya Essential Drugs List

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Third Edition



Republic of Kenya
MINISTRY OF HEALTH

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Foreword

The Government of Kenya recognises that health care is a basic right of the people. Since independence the government has provided health facilities at all levels that were accessible to the people. Drugs form an important and essential part of this health care.

In selecting drugs for the Kenya Essential Drugs List, the vast geography of Kenya which gives rise to different patterns of disease, the different levels of health care and medical expertise available in the country and the existing medical traditions were taken into account. The Kenya Essential Drugs List will be a 'living list'; regular revisions are planned and suggestions for inclusion and deletion are encouraged.

In conjunction with the Clinical Guidelines for Diagnosis and Treatment of Common Conditions, the Kenya Essential Drugs List will serve as the basis for medical, pharmacy, nursing, and other health training programmes; for prescribing in Ministry hospitals, health centres, and dispensaries; for the supply of drugs to Ministry facilities; and for encouraging expanded local production of the most essential drugs.

The Kenya Essential Drugs List is a valid scientific endeavour to meet the health care and social needs of the population of Kenya.

The regular use of the Kenya Essential Drug List by health care practitioners countrywide will improve and encourage the rational use of available drugs and thus contribute albeit in a modest way towards the realization of the health sector vision of "creating an enabling environment for the provision of sustainable quality health care that is acceptable, affordable and accessible to all Kenyans".



Dr. R. O. Muga, MBS.
DIRECTOR OF MEDICAL SERVICES

October 2002

Introduction to the 2002 Kenya Essential Drugs List

In response to the vast range of drugs that had become available, the World Health Organization formulated a model core list of drugs essential and relevant to health care needs. This Essential Drug Concept was formalised with the publication of the first WHO Model Essential Drug List in 1977. Kenya was one of the first countries to recognise the importance of the concept and made its own list in 1981 based on the WHO model list. The Kenya Essential Drugs List was for all levels of health care but was initially used for the rural health institutions and also formed the basis of the drug kits. In addition, Kenya hosted the WHO sponsored International Conference on Rational Drug Use in 1985 which gave rise to the much acclaimed 'Spirit of Nairobi'.

In the late 80s the Ministry of Health promoted the list at the secondary and tertiary health care facilities. In 1992 the Ministry decided to revise the list and to rigorously implement the revised KEDL as the basis for managing drug supply in the public health sector. A workshop with participation of senior personnel that included clinicians, pharmacists, academicians and health educators was organised in July 2002 to revise the KEDL. This publication is a result of this workshop.

The concept and the criteria for selection of Essential Drugs is clearly outlined in the WHO Technical Report 825 - The Use of Essential Drugs (Seventh List), Fifth Report of the WHO Expert Committee, 1992.

Essential Drugs are those that satisfy the health care needs of the majority of the population; they should therefore be available at all times in adequate amounts and appropriate dosage forms.

The choice of such drugs depend on many factors, such as the pattern of prevalent diseases; the treatment facilities; the training and experience of the available personnel; the financial resources; and genetic, demographic and environmental factors.

Drugs selected should be only those for which sound and adequate data on efficacy and safety are available from clinical studies and for which evidence of performance in general use in a variety of medical settings has been obtained.

Each selected drug must be available in a form in which adequate quality, including bioavailability, can be assured; its stability under the anticipated conditions of storage and use must be established.

Where two or more drugs appear to be similar in the above respects, the choice between them should be made on the basis of careful evaluation of their relative efficacy, safety, quality, price and availability.

In cost comparisons between drugs, the cost of the total treatment, and not only the unit cost of the drug, must be considered. The cost/benefit ratio is a major consideration in the choice of some drugs for the lists. In some cases the choice may be influenced by other factors such as comparative pharmacokinetic properties, or by local considerations such as availability of facilities for manufacture or storage.

Most essential drugs should be formulated as single compounds. Fixed-ratio combination products are acceptable only when the dosage of each ingredient meets the requirements of a defined population group and when the combination has a proven advantage over single compounds administered separately in therapeutic effect, safety or compliance.

Practically what this means is that only one drug from a therapeutic category will be available and

between equivalent drugs the choice will be made on cost. Familiarity with a single drug will make the prescribers more confident in using it, encourage its better use and also reduce the cost through bulk purchase. Since the list is for the majority of the population it will not provide “All the drugs for all the patients” but the instances where a prescriber has to go outside the list should be few and far between.

The KEDL was last revised in 1993. This revision has been done along with and in close collaboration with the Clinical Guidelines of the Ministry of Health. This joint effort is central to the efforts of the Ministry of Health in harmonising activities in the drug sector. The development of the Clinical Guidelines will encourage the rational use of the carefully selected drugs in the KEDL.

The third edition of the KEDL takes into consideration the changing trends in the provision of health care especially in areas of Malaria, TB and HIV/AIDs.

In addition, the KEDL, which also has pharmaceutical specifications, will serve as a guide for procuring these drugs for the Ministry of Health and also encourage the local manufacturers to adapt their production for the health care needs of the country. It will also serve as a pointer to donor agencies on the pharmaceutical requirements of Kenya.

The KEDL will also serve as a reference document for legislation, staff development and management improvement aimed at ensuring the regular supply of safe and effective drugs that are affordable and of acceptable quality to all sectors of health care. It is also expected that the KEDL will play a central part in the implementation of the Kenya National Drug Policy, which is on going.

The KEDL is comprehensive and virtually all the drugs that are taught in medical and paramedical training courses are included. Hence the KEDL is a sound basis for formulating the curriculum on drug and therapeutics in training Institutions.

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Criteria for Selection of Essential Drugs

The advisory panel considered the following items as being necessary in selecting medicines for inclusion into the essential drugs list:

a) Essential drugs are those that satisfy the needs of the majority of the population.

b) There should be adequate data supporting their efficacy and safety.

c) The drugs were assessed if they were used routinely and on their performance in routine practice.

d) The panelists critically assessed whether a drug should be in the essential list. There were some items that did not satisfy the criteria for inclusion into the Essential Drugs List although they may be needed in special circumstances. Some of these items were recommended to be included in the Secondary Category (formally known as non-scheduled). The secondary category of drugs are those items that may become necessary in special circumstances but do not satisfy the criteria for inclusion into the Kenya

Essential Drugs List.

e) It was the opinion of the team that all essential drugs should be non-patented. The main reason for this is because patented brand products are often enormously expensive and yet have no other advantage over the generic drugs.

The Kenya Essential Drugs List, which resulted from these criteria, appears in the following pages. The list is presented by therapeutic category. They are designated in various levels of care i.e. referral hospitals, provincial general hospitals, district hospitals, health centres, dispensaries and Community Health Workers.

Guidelines for Selection of the Secondary Schedule Drugs

In the process of selecting drugs for inclusion into the essential drug list, the panelists recognized that there are some drugs that may be needed in special circumstances but do not meet the Essential Drugs Criteria. These secondary schedule drugs (previously referred to as “non-schedule” drugs) would be selected on an as-needed basis.

The following criteria were set as a guideline for selecting such medicines:

- a) These drugs should have a special therapeutic advantage over those in the Kenya Essential Drugs List.
- b) These drugs may be availed to those institutions that have specialized medical personnel.
- c) These should be drugs for special care and which require close monitoring by the experts.
- d) When choosing these drugs, the choice between them should be made on the basis of careful evaluation, putting into consideration price, relative efficacy, safety and quality. Also, some aspects of the essential drugs selection criteria may apply.

Essential Drugs List Revision Request Form

The Kenya Essential Drugs List is meant to be a ‘living list’. Regular revisions are planned. The Ministry of Health recognizes that the revision process will benefit greatly from the experience and recommendations of clinicians, pharmacists, and scientists involved in prescribing, dispensing, and studying pharmaceutical products in Kenya. Any individual who wishes to suggest additions, deletions, or other changes to the Kenya Essential Drugs List should complete the following form and submit it to the Chief Pharmacist, Ministry of Health, Afya House, Cathedral Road, P.O. Box 30016, Nairobi.

For additions, the form asks the person requesting the change to provide therapeutic information on the proposed drug. Also, there should be a brief explanation of the advantages of the drug over drugs currently on the list. The form also requests comparative cost information, to be provided by the Kenya Medical Supplies Agency (KEMSA).

All completed Kenya Essential Drugs List Revision Request Forms will be considered during the next revision of the Kenya Essential Drugs List.

Government of Kenya, Ministry of Health

ESSENTIAL DRUGS LIST REVISION REQUEST FORM

TYPE OF REQUEST: ADDITION DELETION CHANGE

SECTION A. To be completed by individual initiating request

Generic Name: _____

Dosage Form & Strength: _____

Best Known Brand Names & Manufacturers:

(1) _____

(2) _____

For ADDITIONS, what similar-acting drugs are now on Essential Drugs List?

(1) _____ (2) _____

State reasons for addition, deletion or change. For ADDITIONS, please explain advantage of proposed drugs over similar-acting drugs listed above. Continue on reverse side, if necessary.

SECTION B. To be completed by KEMSA for proposed ADDITIONS

Estimated cost of proposed drug: Kshs. _____ Per _____

Current cost of similar acting drugs on Essential Drugs List:

(1) Name & Strength _____ Kshs. _____ Per _____

(2) Name & Strength _____ Kshs. _____ Per _____

SECTION C. To be completed by Essential Drugs List Committee

ACTION TAKEN ON THE REQUEST: Approved Rejected

FOR NEW DRUGS:

Dosage form & strength approved: _____

Level of Use: **_KNH_PGH** **_DH_SDH** **_Disp_CWH** **_MTRH**

Committee Chairman

Date

Explanatory Notes

Abbreviations

KEMSA Kenya Medical Supplies Agency

STD Sexually Transmitted Diseases

Levels of Care

The Essential Drugs List specifies the levels of care at which individual drugs may routinely be distributed, prescribed, and dispensed. The levels of care are:

KNH Kenyatta National Referral Hospital
MTRH Moi Teaching and Referral Hospital
PGH Provincial General Hospital
DH District Hospital
SDH Sub District Hospital
HC Health Centre
Disp Dispensary
CWH Community Health Worker

Dosage Forms and Strengths

The following abbreviations are used for dosage forms and strengths in the Essential Drugs List:

Amps Ampoules
Bott Bottles
Cart Cartridges
Cyl Cylinder
W/V Weight per Volume
Oint Ointment
Pess Pessaries
Caps Capsules
Inj Injection
Susp Suspension
Syr Syrup
Tabs Tablets
IV Intravenous
IM Intramuscular

Essential Drugs List

Specifications

Please note that the drugs included in this publication are of British Pharmacopoeia (BP) Standard unless specified otherwise.

Therapeutic Categories Used for Essential Drugs List

1. ANAESTHETICS

- 1.1 GENERAL ANAESTHETICS & THEATRE AGENTS
- 1.2 LOCAL ANAESTHETICS

2. ANALGESICS, ANTIPYRETICS, NSAID

- 2.1 NON-OPIOIDS
- 2.2 ANALGESICS

3. ANTI-ALLERGICS & DRUGS USED IN ANAPHYLAXIS**4. ANTIDOTES & SUBSTANCES USED IN POISONINGS**

4.1 GENERAL

4.2 SPECIFIC

5. ANTI-EPILEPTICS**6. ANTI-INFECTIVE DRUGS**

6.1 ANTIHELMINTHICS

6.2.a. ANTIBACTERIALS - Oral Liquids

6.2.b. ANTIBACTERIALS - Oral Tabs/Cap

6.2.c. ANTIBACTERIALS - Injectables

6.2.d. ANTILEPROSY/ANTITUBERCULOSIS DRUGS

6.3. ANTIFUNGALS

6.4. ANTIPROTOZOAL DRUGS

6.5. ANTIRETROVIRALS

6.6. ANTIVIRALS (Other than ARVs)

7. ANTIMIGRAINE DRUGS**8. ANTINEOPLASTIC & IMMUNOSUPPRESSIVE DRUGS****9. ANTIPARKINSONISM DRUGS****10. DRUGS AFFECTING THE BLOOD****11. BLOOD PRODUCTS & BLOOD SUBSTITUTES****12. CARDIOVASCULAR DRUGS**

12.1. ANTIANGINAL DRUGS

12.2. ANTIDYSRHYTHMIC DRUGS

12.3. ANTIHYPERTENSIVE DRUGS

12.4. CARDIAC REACTANTS

13. DERMATOLOGICAL DRUGS**14. DIAGNOSTICS AGENTS (RADIOLOGICALS)****15. DISINFECTANTS & ANTISEPTICS****16. DIURETICS****17. GASTROINTESTINAL DRUGS****18. HORMONES, ENDOCRINE DRUGS & CONTRACEPTIVES**

- 18.1 ADRENAL HORMONES & SUBSTITUTES
- 18.2 ANDROGENS
- 18.3 CONTRACEPTIVES
- 18.4 ESTROGENS
- 18.5 INSULINS & ANTIDIABETIC AGENTS
- 18.6 OVULATION INDUCERS, THYROID, ETC

19. IMMUNOLOGICALS (VACCINES)

20. MUSCLE RELAXANTS

See ANAESTHETICS & THEATRE DRUGS

21. OPHTHALMOLOGICAL & E.N.T. PREPARATIONS

22. OXYTOCICS & ANTIOXYTOCICS

23. PERITONEAL DIALYSIS SOLUTIONS

24. PSYCHOTHERAPEUTIC DRUGS

25. RESPIRATORY TRACT DRUGS

26. SOLUTIONS FOR WATER, ELECTROLYTE, ACID-BASE DISTURBANCES

27. VITAMINS AND MINERALS

28. MISCELLANEOUS

Listing by Therapeutic Category and Level of Care

NRH = National Referral Hospitals (KNH = Kenyatta National Hospital/MTRH = Moi Teaching Referral Hospital), PGH = Provincial General Hospital, DH = District Hospital, SDH = Subdistrict Hospital, HC = Health Centre, DISP = Dispensary, CHW = Community Health Worker

THERAPEUTIC CLASS ITEM DESCRIPTION	UNIT OF PACK	LEVEL OF CARE						
		NRH	PGH	DH	SDH	HC	DISP	CHW
1. ANAESTHETICS								
1.1. GENERAL ANAESTHETICS & THEATRE AGENTS								
D Tubocurarine Chloride Inj 10 mg/ml	Amps	X	X	X	X			
Diazepam Inj 5 mg/ml	Amps	X	X	X	X	X	X	
Gallamine Triethiodide Inj 40 mg/ml	Amps	X	X	X	X			
Halothane 250 ml	Botts	X	X	X	X			
Ketamine HCl Inj 200 mg/20 ml	Vials	X	X	X	X			
Neostigmine Methylsulphate Inj 2.5 mg/ml	Amps	X	X	X	X			

Nitrous Oxide Inhalation	Cyl	X	X	X	X			
Oxygen Inhalation	Cyl	X	X	X	X	X	X	
Pancuronium Bromide Inj 2 mg/ml	Amps	X	X					
Suxamethonium Chloride Inj 50 mg/ml	Amps	X	X	X	X			
Thiopentone Sodium Inj 500 mg	Amps	X	X	X	X			
1.2. LOCAL ANAESTHETICS								
Lignocaine HCl 2%, Dental Cartridge with Adrenaline	Cart	X	X	X	X			
Lignocaine HCl Inj 2% (50 ml)	Botts	X	X	X	X	X	X	
Bupivacaine 0.5% Inj. (4 ml)	Amps	X	X					
Ethyl Chloride Spray	Botts	X	X	X	X	X	X	X
2. ANALGESICS, ANTIPYRETICS AND NON-STEROIDAL ANTI-INFLAMMATORY DRUGS (NSAIDS)								
2.1. NON-OPIOIDS and NSAIDS								
Allopurinol Tabs 100 mg	1000	X	X	X	X			
Aspirin Tabs 300 mg	1000	X	X	X	X	X	X	X
Colchicine Tabs 0.5 mg	1000	X	X	X	X			
Indomethacin Caps 25 mg.	1000	X	X	X	X	X	X	
Paracetamol Paediatrics Oral Susp 120 mg/5 ml	Botts	X	X	X	X	X	X	X
Paracetamol Suppository, 100 mg	Packs	X	X	X	X	X	X	
Paracetamol Tabs 500 mg	1000	X	X	X	X	X	X	X
Ibuprofen Tabs 200 mg	1000	X	X	X	X	X		
Probenecid Tabs 500 mg	1000	X	X	X	X	X	X	
Ibuprofen syrup 100 mg/5 ml	Botts	X	X	X	X	X		
2.2. OPIOID ANALGESICS								
Dihydrocodeine Tartrate Tabs 30 mg	1000	X	X	X	X			
Morphine Powder for Oral Solution 10 mg/5 ml	Botts	X	X	X				
Morphine Sulphate Inj 10 mg/ml	Amp	X	X	X				
Morphine Sulphate Tabs 10 mg	1000	X	X	X				
Pethidine Hydrochloride Inj 100 mg/2 ml	Amps	X	X	X	X			
Pethidine Hydrochloride Inj 50 mg/ml	Amps	X	X	X	X			
3. ANTI-ALLERGICS & DRUGS USED IN ANAPHYLAXIS								
Adrenaline Tart Inj 1 mg/1 ml	Amps	X	X	X	X	X	X	
Chlorpheniramine Maleate Inj 10 mg/ml	Amps	X	X	X	X	X	X	
Chlorpheniramine Maleate Syr 2 mg/5 ml	5Lt	X	X	X	X	X	X	
Chlorpheniramine Maleate Tabs 4mg	1000	X	X	X	X	X	X	
Hydrocortisone Sodium Succinate Inj 100 mg Base	Vials	X	X	X	X	X		
Prednisolone Tabs 5 mg	1000	X	X	X	X			
4. ANTIDOTES & OTHER SUBSTANCES								

USED IN POISONING								
4.1. NON-SPECIFIC								
Charcoal Activated Powder 100g	Packs	X	X	X	X	X	X	X
Charcoal Tabs 125 mg	1000	X	X	X	X	X	X	X
Ipecacuanha Syrup (Ipecacuanha Alkaloids 0.14%)	Packs	X	X	X	X			
4.2. SPECIFIC								
Atropine Sulphate Inj 1 mg/ml (IV & IM)	Amps	X	X	X	X	X		
Dimercaprol Inj in oil 50 mg/ml in 2 ml (BAL)	Amps	X	X	X				
Methylthioninium Cl Inj 10 mg/ml in 10 ml (methylene blue)	Amps	X	X					
Naloxone HCl 0.4 mg/ml	Amps	X	X	X	X			
Pralidoxime Mesylate Inj 200 mg/ml (PAM)	Amps	X	X	X	X			
Sodium Calcium Edetate Inj 200 mg/ml in 5 ml	Amps	X	X	X	X			
Ethanol 10% IV (100 ml)	Vials	X	X	X	X			
Sodium Nitrite Inj 30 mg/ml in 10 ml	Amps	X	X					
Sodium Thiosulfate Inj 250 mg/ml in 50 ml	Amps	X	X					
Desferrioxamine Mesylate Inj 500 mg/vial	Vials	X	X	X	X			
Protamine Sulphate Inj 10 mg/ml (5 ml)	Amps	X	X	X				
5. ANTIEPILEPTICS/ANTICONVULSANTS								
Carbamazepine Oral Susp 100 mg/5 ml	Botts	X	X	X	X			
Carbamazepine Tabs 200 mg	1000	X	X	X	X			
Diazepam Inj 10 mg/2 ml (IV & IM)	Amps	X	X	X	X	X	X	
Ethosuximide 250 mg/5 ml (250 ml)	Botts	X	X	X	X			
Ethosuximide Tabs 250 mg	1000	X	X	X	X			
Phenobarbitone Tabs 30 mg	1000	X	X	X	X	X	X	
Phenytoin Sodium Caps/tabs 100 mg	1000	X	X	X	X			
Phenytoin Sodium Caps/tabs 50 mg	1000	X	X	X	X			
Phenytoin Sodium Inj 50 mg/ml (5 ml)	Amps	X	X	X	X			
Clonazepam Tabs 2 mg	1000	X	X					
Sodium Valproate Tabs 200 mg	1000	X	X					
6. ANTI-INFECTIVE DRUGS								
6.1. ANTHELMINTHICS								
Diethylcarbamazine Citrate Tabs 50 mg	1000	X	X	X				
Mebendazole Susp 100 mg/5 ml	Botts	X	X	X	X	X	X	X
Mebendazole Tabs 100 mg	1000	X	X	X	X	X	X	X
Niclosamide Tabs 500 mg	1000	X	X	X	X	X	X	
Albendazole chewable Tabs 400 mg	1000	X	X	X	X	X	X	
Albendazole Syrup 400 mg/10 ml	Botts	X	X	X	X	X	X	
Levamisole Hydrochloride Tabs 40 mg	1000	X	X	X	X	X	X	

Levamisole Hydrochloride Syrup 40 mg/5 ml	Botts	X	X	X	X	X	X	
Praziquantel Tabs 600 mg	1000	X	X	X	X	X		
6.2.a. ANTIBACTERIALS - Oral Liquids								
Amoxicillin Susp 125 mg/5 ml (100 ml)	Botts	X	X	X	X	X	X	
Amoxicillin + Clavulanic Acid Syrup 156 mg (125 mg + 31 mg) (100 ml)	Botts	X	X	X	X			
Amoxicillin + Clavulanic Acid Syrup 228 mg (200 mg + 28 mg) (100 ml)	Botts	X	X	X	X			
Clindamycin Oral Susp 75 mg/5 ml (80 ml)	Botts	X	X	X				
Cloxacillin Syrup 125 mg/5 ml (100 ml)	Botts	X	X	X	X			
Co-trimoxazole Susp 200:40/5 ml (50 ml)	Botts	X	X	X	X	X	X	
Erythromycin Ethyl Succ. Syr 200 mg base/5 ml (100 ml)	Botts	X	X	X	X	X		
Cephalexin syrup 125 mg/5 ml (100 ml)	Botts	X	X	X	X			
Ampicillin/Cloxacillin Neonatal drops 60 mg/30 mg (10 ml)	Botts	X	X	X	X	X		
6.2.b. ANTIBACTERIALS - Oral Tabs/Caps								
Cephalexin 250 mg CAPS	1000	X	X	X	X			
Amoxicillin Caps 250 mg	1000	X	X	X	X	X	X	
Amoxicillin 250 mg + Clavulanic Acid 125 mg Tabs	1000	X	X	X	X	X		
Amoxicillin 500 mg + Clavulanic Acid 125 mg Tabs	1000	X	X	X	X	X		
Chloramphenicol Caps 250 mg	1000	X	X	X		X	X	
Clindamycin HCl Caps 150 mg	1000	X	X	X				
Co-trimoxazole Tabs 400:80	1000	X	X	X	X	X	X	
Doxycycline HCl Caps 100 mg	1000	X	X	X	X	X	X	
Erythromycin Stearate Tabs Film coated 250 mg	1000	X	X	X	X			
Norfloxacin 400 mg tablets	1000	X	X	X	X			
Nitrofurantoin Sodium Tabs 100 mg	1000	X	X	X	X	X		
Nalidixic acid Tabs 500 mg	1000	X	X	X	X	X		
Flucloxacillin Caps 250 mg	1000	X	X	X	X			
Ciprofloxacin tabs 250 mg	1000	X	X	X				
Tetracycline Caps 250 mg	1000	X	X	X	X	X		
Cloxacillin Caps 250 mg	1000	X	X	X	X			
6.2.C. ANTIBACTERIALS - Injectables								
Cefotaxime Inj 500 mg	Vials	X	X	X				
Amikacin Sulphate Inj 100 mg	Vials	X	X					
Kanamycine Inj 1 gm	Vials	X	X					
Ceftazidime Pentahydrate 500 mg	Vials	X	X					
Amikacin Sulphate Inj 500 mg	Vials	X	X					
Amoxicillin Inj 500 mg	Vials	X	X	X	X			

Benzathine Penicillin Inj 2.4 IV	Vials	X	X	X	X	X	X	
Benzyl Penicillin Inj 1MU	Vials	X	X	X	X	X	X	
Benzyl Penicillin Inj 5MU	Vials	X	X	X	X			
Chloramphenicol Sodium Succ Inj 1 gm	Vials	X	X	X	X			
Clindamycin Hydrochloride Inj 300 mg/2 ml	Vials	X	X	X				
Fortified Procaine Penicillin Inj 4.0 MU	Vials	X	X	X	X	X	X	
Gentamicin Inj 80 mg/2 ml	Amps	X	X	X	X			
Gentamicin Inj 20 mg/2 ml	Amps	X	X	X	X			
Piperacillin Inj 2g	Vials	X	X					
Piperacillin Inj 4g	Vials	X	X					
Flucloxacillin Inj 250 mg/vial	Vials	X	X	X	X			
Spectinomycin HCl Inj 2 gm with Diluent	Vials	X	X	X	X	X		
Ceftriaxone Inj 500 mg, 250 mg	Vials	X	X	X	X	X		
Triple Penicillin Inj 6:3:3	Vials	X	X	X	X	X	X	
6.2.d. ANTILEPROSY/ANTITUBERCULOSIS DRUGS								
Clofazimine Caps 100 mg	1000	X	X	X	X			
Clofazimine Caps 50 mg	1000	X	X	X	X			
Dapsone Tabs 100 mg	1000	X	X	X	X			
Dapsone Tabs 50 mg	1000	X	X	X	X			
Ethambutol HCl Tabs 400 mg	1000	X	X	X	X			
Isoniazid INH Tabs 100 mg	1000	X	X	X	X			
Pyrazinamide Tabs 500 mg	1000	X	X	X	X			
Rifampicin Caps 150 mg	1000	X	X	X	X			
Rifampicin Caps 300 mg	1000	X	X	X	X			
Streptomycin Sulphate Inj 1g	Vials	X	X	X	X			
Isoniazid + Ethambutol Tabs (150 mg + 400 mg)	1000	X	X	X	X			
Rifampicin + Isoniazid Tabs (150 mg + 75 mg)	1000	X	X	X	X			
Rifampicin + Isoniazid + Ethambutol Tabs (150 mg + 75 mg + 275)	1000	X	X	X	X			
Rifampicin + Isoniazid + Pyrazinamide Tabs (120 mg + 50 mg + 300 mg) OR (150 mg + 75 mg + 400 mg)	1000	X	X	X	X			
Rifampicin + Isoniazid + Pyrazinamide + Ethambutol Tabs (150 mg + 75 mg + 400 mg + 275 mg)	1000	X	X	X	X			
6.3. ANTIFUNGALS								
Clotrimazole Cream 1% 15 gms	Tube	X	X	X	X	X		
Clotrimazole Vaginal Pess 100 mg	Pack x6	X	X	X	X	X		
Clotrimazole ear drops 1% 20 ml	Botts	X	X	X	X	X		
Benzoic acid 6% + Salicylic acid 3% Oint.	Tube	X	X	X	X	X	X	

Nystatin Oral Susp 100,000 Units/ml (24 ml)	Botts	X	X	X	X	X		
Nystatin Ointment	Tube	X	X	X	X	X		
Griseofulvin Tabs 125 mg	1000	X	X	X	X			
Griseofulvin Tabs 500 mg	1000	X	X	X	X			
Ketoconazole Tabs 200 mg	1000	X	X	X	X			
Miconazole Nitrate 2% Oral Gel 40 gm	Tube	X	X	X	X			
Fluconazole Caps 50 mg, 150 mg, 200 mg	1000	X	X	X	X			
6.4. ANTIPROTOZOAL DRUGS								
Metronidazole Inj 500 mg/100 ml	Vials	X	X	X	X			
Metronidazole Susp. 200 mg/5 ml (100 ml)	Botts	X	X	X	X			
Metronidazole Tabs 200 mg	1000	X	X	X	X	X	X	
Tinidazole Tabs 500 mg	1000	X	X	X	X			
Proguanil Tabs 100 mg	1000	X	X	X	X			
Quinine Bisulphate Tabs 300 mg	1000	X	X	X	X			
Quinine Sulphate Tabs 200 mg	1000	X	X	X	X			
Quinine Dihydrochloride Inj 300 mg/ml	Amps	X	X	X	X			
Amodiaquine 200 mg tabs	1000	X	X	X	X	X	X	
Amodiaquine susp 50 mg/5 ml	Botts	X	X	X	X	X	X	
Sodium Stibogluconate 100mg/ml (100 ml)	Botts	X	X	X	X			
Dihydroartemisinin Tabs 60 mg	1000	X	X	X	X			
Dihydroartemisinin Powder 10 mg/sachet	Sach	X	X	X	X			
Dihydroartemisinin Syrup 10 mg/5 ml	Botts	X	X	X	X			
Sulfadoxine + Pyrimethamine Susp (250 mg + 12.5 mg)	Botts	X	X	X	X	X	X	X
Sulfadoxine 500 mg + Pyrimethamine 25 mg Tabs	1000	X	X	X	X	X	X	X
Sulphametopyrazine + Pyrimethamine Drops 10 mg + 0.5 mg (10 ml)	Botts	X	X	X	X	X	X	X
6.5. ANTIRETROVIRALS								
6.5.a. NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITORS (NRTI)								
Didanosine (ddI) Tabs 25 mg, 100 mg	1000	X	X	X				
Lamivudine (3TC) Tabs 150 mg	1000	X	X	X				
Lamivudine (3TC) Oral Solution 50 mg/5 ml	Botts	X	X	X				
Stavudine (d4T) Caps 30 mg, 40 mg	1000	X	X	X				
Stavudine (d4T) Syrup 5 mg/5 ml	Botts	X	X	X				
Zidovudine (AZT) Caps 100 mg, 300 mg	1000	X	X	X				
Zidovudine (AZT) Syrup 50 mg/5 ml	Botts	X	X	X				
6.5.b. NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITORS (NNRTI)								
Efavirenz (EFZ) Caps 200 mg	1000	X	X	X				
Nevirapine (NVP) Tabs 200 mg	1000	X	X	X				

Nevirapine (NVP) Syrup 50 mg/5 ml	Botts	X	X	X				
6.5.c. PROTEASE INHIBITORS								
Indinavir Sulfate (IDV) Caps 400 mg	1000	X	X	X				
Nelfinavir Mesylate (NFV) Tabs 250 mg	1000	X	X	X				
Nelfinavir Powder 50 mg/gm	gm	X	X	X				
Saquinavir (SQV) Caps 200 mg	1000	X	X	X				
Lopinavir + Ritonavir (LPV/r) caps (133.3 mg + 33.3 mg)	1000	X	X	X				
Lopinavir + Ritonavir (LPV/r) Oral Solution (400 mg/5 ml + 100 mg/5 ml)	Botts	X	X	X				
Ritonavir (RTV, r) caps 100 mg	1000	X	X	X				
Ritonavir (RTV, r) Oral Solution 400 mg/5 ml	Botts	X	X	X				
6.6. ANTIVIRALS (Other than ARVs)								
Acyclovir Tabs 200 mg	1000	X	X	X				
Acyclovir Inj 250 mg/vial	Vials	X	X	X				
Acyclovir Cream 5 gm, 10 gm	Tube	X	X	X				
7. ANTIMIGRAINE DRUGS								
Aspirin Tabs 300 mg	1000	X	X	X	X	X	X	X
Paracetamol Tabs 500 mg	1000	X	X	X	X	X	X	X
Ergotamine tartrate 1 mg tablets	1000	X	X	X	X			
8. ANTINEOPLASTIC & IMMUNOSUPPRESSIVE DRUGS								
Actinomycin-D Inj USP 500 mcg	Vials	X	X					
Busulphan Tabs 2 mg	1000	X	X					
Cyclophosphamide Inj 200 mg	Vials	X	X					
Cyclophosphamide Inj 500 mg	Vials	X	X					
Cyclophosphamide Tabs 50 mg	1000	X	X					
Cytosine Arabinoside (Cytarabine HCl) Inj Diluent	Vials	X	X					
Doxorubicin Hydrochloride Inj 50 mg	Vials	X	X					
Flurouracil Inj 250 mg	Vials	X	X					
Folinic Acid Tabs 15 mg	1000	X	X					
Methotrexate Inj 50 mg	Vials	X	X					
Vincristine Sulphate Inj 1 mg	Vials	X	X					
Azathioprine Tabs 50 mg	1000	X	X					
9. ANTIPARKINSONISM DRUGS								
Benzhexol Hydrochloride Tabs 5 mg	1000	X	X	X	X			
Biperiden Hcl Tabs 2 mg	1000	X	X	X	X			
10. DRUGS AFFECTING THE BLOOD								
Heparin Inj 25,000 Units/5 ml	Vials	X	X	X	X			
Phytomenadione Inj 10 mg/ml	Amps	X	X	X	X			

Protamine Sulphate Inj 10 mg/ml	Amps		X	X	X			
Vit B12 Cyanocobalamine Inj 1 mg/ml	Amps	X	X	X	X			
Warfarin Sodium Tabs 5 mg	1000	X	X	X	X			
11. BLOOD PRODUCTS & BLOOD SUBSTITUTES								
Dextran 70 Inj 6% (in Saline)	Botts	X	X	X				
12. CARDIOVASCULAR DRUGS								
12.1. ANTIANGINAL DRUGS								
Glyceryl Trinitrate Tabs 0.5 mg	1000	X	X					
Nifedipine Caps 10 mg	1000	X	X	X				
Propranolol HCl Tabs 40 mg	1000	X	X	X	X			
12.2. ANTIARRHYTHMIC DRUGS								
Atenolol Tabs 50 mg	1000	X	X	X	X			
Verapamil hydrochloride tablets 40 mg	1000	X	X	X	X			
12.3. ANTIHYPERTENSIVE DRUGS								
Hydralazine Inj 20 mg/ml	Vials	X	X	X	X			
Hydralazine Tabs 25 mg	1000	X	X	X	X			
Hydrochlorthiazide Tabs 50 mg	1000	X	X	X	X			
Methyldopa Tabs 250 mg	1000	X	X	X	X			
Propranolol HCl Tabs 40 mg	1000	X	X	X	X			
Captopril Tabs 25 mg	1000	X	X	X				
Digoxin Inj 0.5 mg/2 ml	Amps	X	X					
Digoxin Paediatric Elixir 0.05 mg/2 ml	Botts	X	X					
Digoxin Tabs 0.25 mg	1000	X	X	X	X			
Frusemide Tabs 40 mg	1000	X	X	X	X			
Frusemide Inj 20 mg/2 ml	Amp	X	X	X	X			
Nifedipine Tabs 20 mg	1000	X	X	X	X			
Enalapril Tabs 5 mg	1000	X	X	X				
Sodium Nitroprusside Inj 10 mg/ml (5 ml)	Amps	X	X					
13. DERMATOLOGICAL DRUGS								
Benzyl Benzoate Emulsion 25%	Botts	X	X	X	X	X	X	X
Betamethasone Valerate Oint 0.1%	Tube	X	X	X	X			
Clotrimazole Cream/ointment 1% 15 gm	Tube	X	X	X	X			
Compound Benzoic acid 6% + salicylic acid 3%	Tube	X	X	X	X	X	X	X
Calamine lotion	Botts	X	X	X	X	X	X	X
Podophyllotoxin 0.15%	Botts	X	X	X	X			
Gentian Violet Crystals Powder 10 gms	Packs	X	X	X	X	X	X	X
Hydrocortisone Skin Oint 1% 10 g	Tube	X	X	X	X	X	X	
Silver Sulphadiazine Cream 500 gm	Jar	X	X	X	X			
14. DIAGNOSTICS AGENTS (RADIOLOGICALS)								

Barium Sulfate Powder	Kg	X	X	X				
Iodipamide Meglumine Inj 30% (25 ml)	Amps	X	X	X				
Meglumine Iothalamate Inj 60% (20 mls)	Amps	X	X	X				
Sodium & Meglumine Diatrizoate Inj 60% 1:6:6	Amps	X	X	X				
15. DISINFECTANTS & ANTISEPTICS								
Activated Glutaraldehyde 2%	5Lt	X	X	X	X			
Cetrimide 15% + Chlorhexidine Gluconate 1.5%	5Lt	X	X	X	X	X	X	
Chlorhexidine Gluconate solution 5%	5Lt	X	X	X	X	X	X	
Lysol (Cresol BP)	5Lt	X	X	X	X	X	X	
Methylated Spirit	5Lt	X	X	X	X	X	X	
Hydrogen Peroxide 6% (20 Vols)	5Lt	X	X	X	X	X	X	
Povidone-Iodine 10%	5Lt	X	X	X	X			
Sodium Dichloroisocyanurate Tabs 2.5g	1000	X	X	X	X			
Sodium Hypochlorite Sol. 4-6%	5Lt	X	X	X	X	X	X	
16. DIURETICS								
Frusemide Inj 20 mg/ml.	Amps	X	X	X	X			
Frusemide Tabs 40 mg	1000	X	X	X	X			
Hydrochlorothiazide Tabs 50 mg	1000	X	X	X	X			
Mannitol Inj 20% (500 ml)	Bottle	X	X	X	X			
Spironolactone Tabs 25 mg	1000	X	X	X	X			
17. GASTROINTESTINAL DRUGS								
Bisacodyl Tabs 5 mg (Enteric Coated)	1000	X	X	X	X			
Cimetidine Tabs 400 mg	1000	X	X	X	X			
Compound Magnesium Trisilicate Tabs	1000	X	X	X	X	X	X	X
Hyoscine N-Butylbromide Inj 20 mg/ml	Amps	X	X	X	X			
Hyoscine N-Butylbromide Tabs 10 mg	1000	X	X	X	X			
Metoclopramide HCl Inj 5 mg/ml	Amps	X	X	X	X			
Metoclopramide HCl Tabs 10 mg	1000	X	X	X	X			
Oral Rehydration Salts Powder (WHO Formulation)	Satch	X	X	X	X	X	X	X
Ranitidine Tabs 150 mg	1000	X	X	X				
Omeprazole Caps 20 mg	1000	X	X	X				
Loperamide Caps 2 mg	1000	X	X	X	X			
18. HORMONES, ENDOCRINE DRUGS & CONTRACEPTIVES								
18.1. ADRENAL HORMONES & SUBSTITUTES								
Dexamethasone Tabs 0.5 mg	1000	X	X	X				
Dexamethasone Sodium Phosphate Inj 4 mg/ml	Vials	X	X	X				
Hydrocortisone Sodium Succ Inj 100 mg Base	Amps	X	X	X	X	X		
18.2. ANDROGENS								

Testosterone Inj 200 mg/ml	Amps	X	X	X				
18.3. HORMONAL CONTRACEPTIVES								
Ethinylestradiol + Levonorgestrel Tabs (30 mcg +150 mcg)	28's	X	X	X	X	X	X	X
Ethinylestradiol + Norethisterone Tabs (35 mcg + 1.0 mg)	28's	X	X	X	X	X	X	X
Levonorgestrel Tabs 750 mcg	2's	X	X	X				
Medroxyprogesterone Acetate Inj (DMPA) 150 mg/ml	Amps	X	X	X				
18.4. ESTROGENS								
Stilboestrol Tabs 5 mg	1000	X	X	X				
18.5. INSULINS & ANTIDIABETIC AGENTS								
Chlorpropamide Tabs 250 mg	1000	X	X	X	X			
Glibenclamide Tabs 5 mg	1000	X	X	X	X			
Soluble insulin Inj 100 Units 10 ml (beef/pork)	Vials	X	X	X	X			
Insulin Zinc Susp 100 Units 10 ml (beef/pork)	Vials	X	X	X	X			
Soluble insulin Inj 100 Units 10 ml (human)	Vials	X	X	X	X			
Insulin Zinc Susp 100 Units 10 ml (human)	Vials	X	X	X	X			
Metformin Tabs 500 mg/850 mg	1000	X	X	X	X			
18.6. OVULATION INDUCERS, THYROID HORMONES & ANTI-THYROID DRUGS								
Carbimazole Tabs 5 mg	1000	X	X	X				
Clomiphene citrate 50 mg tablet	1000	X	X	X				
Levothyroxine Sodium Tabs 0.1 mg	1000	X	X	X				
Norethisterone Tabs 5 mg	1000	X	X	X				
19. IMMUNOLOGICALS (VACCINES)								
Antisnake venom polyvalent Inj	Vials	X	X	X	X			
Anti-D (Rh ₀) Immunoglobulin (Human) 250 mcg	Amps	X	X	X				
BCG Vaccine Dried Powder	Vials	X	X	X	X	X	X	
Diphtheria-Pertussis-Tetanus Vaccine	Vials	X	X	X	X	X	X	
Hepatitis B vaccine	Vials	X	X	X	X	X	X	
Haemophilus Influenza type b	Vials	X	X	X	X	X	X	
Measles Vaccine	Vials	X	X	X	X	X	X	
Poliomyelitis Oral Vaccine	Vials	X	X	X	X	X	X	
Rabies Vaccine	Vials	X	X	X	X	X	X	
Tetanus Toxoid Vaccine	Vials	X	X	X	X	X	X	
Tuberculin (PPD) Inj 10 IU	Amps	X	X	X	X			
Human Rabies Immunoglobulin	Vials	X	X	X	X			
Yellow Fever Vaccine	Amps	X	X	X	X			
Pentavalent Vaccine	Vials	X	X	X	X	X	X	

20. MUSCLE RELAXANTS -								
<i>See ANAESTHETICS & THEATRE DRUGS</i>								
21. OPHTHALMOLOGICALS & ENT PREPARATIONS								
Acetazolamide Tabs 250 mg	1000	X	X					
Atropine 1% Eye Drops (5 ml)	Botts	X	X	X				
Chloramphenicol Ear Drops 5%	Botts	X	X	X	X			
Chloramphenicol Eye Drops 0.5%	Botts	X	X	X	X			
Fluorescein impregnated strips	1000	X	X	X				
Gentamicin Eye/Ear Drops (10 ml)	Botts	X	X	X				
Hydrocortisone Eye Drops 1%	Tube	X	X	X	X			
Oxytetracycline 3% Base + Hydrocortisone 1 % Eye/Ear Susp.	Tube	X	X	X				
Pilocarpine Hydrochloride Eye Drops 2%	Botts	X	X	X				
Tetracaine Hcl eye drops 0.5%	Botts	X	X					
Tetracycline Eye Oint 1% 3.5g	Tube	X	X	X	X	X	X	
Zinc Sulphate 0.25% Eye Drops	Botts	X	X	X	X	X		
22. OXYTOCICS & ANTIOXYTOCICS								
Ergometrine Maleate Inj 500 mcg/ml	Amps	X	X	X	X	X	X	
Oxytocin Inj 5 IU/ml	Amps	X	X	X	X			
23. PERITONEAL DIALYSIS SOLUTIONS								
Intraperitoneal Dialysis Solution I	Botts	X	X					
Intraperitoneal Dialysis Solution II	Botts	X	X					
24. PSYCHOTHERAPEUTIC DRUGS								
Amitriptylline Hydrochloride Tabs 25 mg	1000	X	X	X	X			
Benzhexol Hydrochloride Tabs 5 mg	1000	X	X	X	X			
Chlorpromazine HCl Inj 50 mg/2 ml	Amps	X	X	X	X	X		
Chlorpromazine HCl Tabs 100 mg	1000	X	X	X	X	X		
Chlorpromazine HCl Tabs 25 mg	1000	X	X	X	X	X		
Diazepam Tabs 5 mg	1000	X	X	X	X			
Fluphenazine Decanoate Inj 25 mg/ml (10 ml)	Vials	X	X	X	X			
Haloperidol Depot Inj 50 mg/ml (5 ml)	Amps	X	X	X	X			
Haloperidol Tabs 5 mg	1000	X	X	X	X			
Imipramine Hydrochloride Tabs 25 mg	1000	X	X	X	X			
Lithium Carbonate Tabs 300 mg	1000	X	X					
Trifluoperazine HCl Tabs 5 mg	1000	X	X	X				
25. RESPIRATORY TRACT DRUGS								
Aminophylline Inj 25 mg/ml IV (10 ml)	Vials	X	X	X	X	X		
Beclomethasone Inhaler 0.05 mg/dose	Packs	X	X	X	X			
Salbutamol Inhaler 0.1 mg/dose	Packs	X	X	X	X			
Salbutamol Inj 0.5 mg/ml	Amps	X	X	X				

Salbutamol Syr 2 mg/5 ml (100 mls)	Botts	X	X	X	X	X	X	
Salbutamol Tabs 2 mg	1000	X	X	X	X	X	X	
Salbutamol Nebulizer 5 mg/ml	Botts	X	X	X	X			
Ipratropium Bromide 20 mcg/dose Inhaler	Packs	X	X	X	X			
Salbutamol Tabs 4 mg	1000	X	X	X	X	X	X	
26. SOLUTIONS FOR WATER, ELECTROLYTE AND ACID-BASE DISTURBANCE								
Calcium Gluconate Inj 10% (10 ml)	Amps	X	X	X				
Darrows Solution 1/2 Strength (500 ml)	Botts	X	X	X	X	X		
Dextrose Inj 50% W/V (50 ml)	Botts	X	X	X	X	X		
Dextrose Inj 10% W/V (500 ml)	Botts	X	X	X	X	X		
Dextrose Inj 5% W/V (500 ml)	Botts	X	X	X	X	X		
Hartmann's Solution (500 ml)	Botts	X	X	X	X			
Normal Saline Inj 0.9% (500 ml)	Botts	X	X	X	X	X		
Parenteral Amino Acid Preparations 10%	Botts	X	X					
Potassium Chloride Inj 15% (10 ml)	Botts	X	X	X	X			
Sodium Bicarbonate Inj 8.4% IV (10 ml)	Amps	X	X	X	X			
Water for Inj (10 ml)	Botts	X	X	X	X	X	X	
27. VITAMINS & MINERALS								
Calcium Lactate Tabs 300 mg	1000	X	X	X	X			
Ferrous Sulphate Tabs 200 mg	1000	X	X	X	X	X	X	X
Folic Acid Tabs 5 mg	1000	X	X	X	X	X	X	X
Hydroxycholecalciferol 250 Nanograms Caps	1000	X	X	X				
Iron Dextran Inj 50 mg/ml (2 ml)	Amps	X	X	X				
Parenteral Vitamin B Complex + C Inj 1 & II	Amps	X	X	X				
Vitamin A Caps (100,000 IU)	1000	X	X	X	X			
Vitamin B6 Tabs 25 mg	1000	X	X	X	X			
Vitamin B Complex Tabs	1000	X	X	X	X	X	X	
Multivitamin Tabs	1000	X	X	X	X	X	X	X
Multivitamin Syrup 100 ml	Botts	X	X	X	X	X	X	X
28. MISCELLANEOUS								
Hydroxyethyl Cellulose Lubricating Gel. 40g	Tube		X	X	X			
Lactose Free Baby Feeds	Tins	X	X	X	X			
Soda Lime 4.5 kg	Tins	X	X	X	X			
Sterile Medicated (Antimicrobial) Paraffin Gauze 10 cm × 10 cm	Packs	X	X	X	X	X	X	
Sterile Medicated (Antimicrobial) Paraffin Gauze 15 cm × 20 cm	Packs	X	X	X	X	X	X	

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