



THE REPUBLIC OF UGANDA
MINISTRY OF HEALTH



ESSENTIAL MEDICINES AND HEALTH SUPPLIES LIST FOR UGANDA (EMHSLU) 2023

Published by the Ministry of Health Uganda First edition: 1997.

Revised: November 2012, December 2016, September 2023.

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FOREWORD



Dr. Aceng Jane Ruth Ocero
Hon. Minister of Health

Pharmaceuticals play a very critical role in achieving the overall outcomes and goals related to the health sector. The National Health Policy, the National Medicines Policy, the Health Sector Strategic and Investment Plan III, and the National Pharmaceutical Sector Strategic Plan 2015-2020 emphasize the promotion of appropriate use of medicines, health and laboratory supplies.

Appropriate use of medicines requires good diagnostic skills and access to well-performed laboratory services, good prescribing practices that follow clinical guidelines, good dispensing practices, and adherence to treatment by the patient. Very importantly, appropriate use requires the availability of essential medicines and health supplies (EMHS) at every service delivery point, combined with an efficient monitoring and evaluation system.

The Essential Medicines and Health Supplies List for Uganda (EMHSLU) 2023 reflects the policy of the Ministry of Health, for the appropriate procurement of safe and efficacious essential medicines, health and laboratory supplies in public institutions.

Like in the previous editions, all items have been categorised by the level of care, and also by the Vital, Essential and Necessary (VEN) classification. The VEN system prioritises items according to health impact, to ensure that adequate stock levels of life-saving medicines and health supplies at the facility will always be available, leading to better healthcare services for Ugandans.

The EMHSLU 2023 was compiled based on recommendations from various categories of health workers at the Ministry of Health and from health facilities. It was updated in conjunction with the Uganda Clinical Guidelines (UCG) 2023, to ensure that all essential medicines, health and laboratory supplies needed to treat common conditions according to the UCG are included.

It is the hope of the Ministry of Health that the updated essential medicines and health supplies list will be used by providers in both the public and private sectors, to guide, ensure availability and use of quality, safe, efficacious and cost-effective medicines, health and laboratory supplies in Uganda.

I wish to thank all the members of the Ministry of Health Update Task Force, government parastatals, the medical consultants, district health workers, the private sector, the Uganda Reproductive Maternal Child and Adolescent Health Improvement Project (URMCHIP) and development partners.

Finally, I thank the consultancy firm, Zenith Solutions Limited, that coordinated the overall inputs that led to the successful development of this book.

A handwritten signature in black ink, appearing to read 'Aceng Jane Ruth Ocero'.

Dr. Aceng Jane Ruth Ocero
Hon. Minister of Health

PREFACE



Dr. Henry G. Mwebesa
Director General of Health Services,
Ministry of Health

This fully updated publication replaces the EMHSLU 2016 and is being circulated to all public and private sector prescribers, pharmacists, training institutions, procurement agencies, warehouses, and regulatory authorities in the country.

The Essential Medicines and Health Supplies List for Uganda (EMHSLU) 2023 is a list of safe, efficacious, and cost-effective medicines and health supplies that suit the healthcare needs of the majority of the Ugandan population.

Access to essential medicines and health supplies is fundamental to ensuring equitable healthcare to the population. In addition, availability of proper diagnostic supplies and technologies ensures the appropriate use of these medicines and guarantees the overall quality of care received by the patients. In a resource-limited setting, the judicious use of supplies is required, and this EMHSLU provides a basis for efficient supply chain management, planning and procurement of supplies by the health facilities and procurement agencies.

The EMHSLU 2023 follows the 2016 edition, and has been harmonized with the UCG 2023, so as to reflect medicines and diagnostic requirements for management of common conditions affecting the Ugandan population. Updating this edition was guided by a user survey that highlighted the usefulness, challenges and scope of the guidelines. This was followed by consultations from multiple stakeholders, to ensure comprehensive reviews, and was based on

principles of clinical evidence-based medicine, cost-effectiveness, current WHO guidelines and Ministry of Health policies.

The EMHSLU 2023 has maintained the previous arrangement of four sections i.e., essential medicines list, general health supplies list, specialist health supplies list, and the laboratory supplies list.

The medicines list is classified by therapeutic categories, following the 22nd edition of the World Health Organisation (WHO) model list (2021), and contains both the general and specialist medicines in one list for ease of reference.

The laboratory list developed in consultation with UNHLS includes standardized equipment and supplies, harmonized with the test techniques for each level of care within the health system, so as to ensure access to high quality, rapid, and affordable diagnostic tests for the care, treatment, prevention and surveillance of the conditions affecting the Ugandan population.

In order to promote availability of medicines at all levels, all items in the EMHSLU 2023 have been classified by the “level of care” (L) corresponding to the competencies available at those levels, and also by the Vital, Essential and Necessary (VEN) criteria. During procurement, the vital (V) should be given priority over the ‘essential’ and ‘necessary’, as these are lifesaving and/or first line recommendations for the conditions, based on the available budgetary allocations.



Access to essential medicines and health supplies
is fundamental to ensuring equitable healthcare
to the population.

Given the dynamic nature of therapeutics, the essential medicines and health supplies list needs to be regularly updated so as to maintain its credibility and relevance. Users are therefore encouraged to document and submit any recommendations that can improve future guidelines to the Ministry of Health.

We hope that all health facilities will judiciously use the EMHSLU 2023, together with UCG 2023, and Practical Program Guidelines for Dispensing (PGD), to promote availability, affordability, appropriate use of resources and also to prevent negative consequences such as antimicrobial resistance and wastage of resources. It is further hoped that proper use of this guideline will improve the overall quality of health care in Uganda.

Dr. Henry G. Mwebesa
Director General of Health Services,
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ACKNOWLEDGEMENTS

The EMHSLU 2023 was produced by the Ministry of Health with financial assistance from the World Bank-funded Uganda Reproductive Maternal and Child Health Services Improvement Project (URMCHIP).

We extend sincere gratitude to all Ministry of Health Programmes and Departments, the Uganda National Health Laboratory Services, Regional and District Health Offices, World Health Organisation Country Office, Private-not-for-profit, and private-for-profit organisations, that have cooperated extensively to make sure the EMHSLU 2023 update is produced in line with national and international guidelines and policies. The following people contributed to the EMHSLU update from consultation to final editing:

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We thank the Zenith Solutions Consultancy team
comprised of; -

Mr. Gordon Sematiko Katende, Dr. Fred Sebisubi, Dr.
Henry W Kakande, Dr. Andrew Kiboneka, Dr. Watya
S, Dr. Edward Ssemafumu and Dr. Clare Lubulwa, who
led and coordinated the entire process of reviewing
and updating the EMHSLU 2023 to completion.

LAYOUT AND GRAPHICS EDITING

Finally, we thank the MoH taskforce secretariat, Mr.
Martin Oteba DPD-MSH and Mr. Joshua Musasizi
KES-MSH, (UG-SSCS) for editing and formatting this
edition.



Dr. Morries Seru

Ag. Commissioner Health Services, Pharmaceuticals
and Natural Medicines, Ministry of Health

ABBREVIATIONS

ACHS	Assistant Commissioner of Health Services	HCV	Hepatitis C virus
ACP	AIDS Control Program	HDL	High Density Lipoprotein
ACTH	Corticotrophin	HEPS	Coalition for Health Promotion and Social Development
AD	Autodisable	HIV	Human immunodeficiency virus
AFB	Acid Fast Bacillus	HMIS	Health management information system
ALP	Alkaline phosphatase	HVS	High vaginal swab
ALT	Alanine Aminotransferase	Ig	Immunoglobulin
ASOT	Anti Streptolysin-O Test	IM	Intramuscular
AST	Aspartate Aminotransferase	inf	Infusion
AZT	Zidovudine	INN	International Non-proprietary Name
BCG	Bacillus Calmette Guerin	ISO	International Organisation for Standardisation
BP	British Pharmacopoeia	IU	International Unit
BPC	British Pharmaceutical Codex	IUD	Intra uterine device
BUN	Blood Urea Nitrogen	IV	Intravenous
Cal	calories	JMS	Joint Medical Stores
CD	Cluster of differentiation	k	kilo
CDC	Centers for Disease Control	l	litre
CDT	Carbohydrate Deficient Transferrin	LAM	Lipo arabino mannan
CH	Charriere Size = 0.33cm	LDL	Low Density Lipoprotein
CHAI	Clinton Health Access Initiative	LH	Luteinizing hormone
CHS	Commissioner of Health Services	LIA	Lysine Iron Agar
CMV	Cytomegalovirus	MCP	Malaria Control Program
CPHL	Central Public Health Laboratories	mEq	milliequivalent
CRP	C-reactive protein	mg	milligram
CSF	Cerebrospinal fluid	MIC	Minimum Inhibitory Concentration
CT	computed tomography	MIO	Mortality Indole Ornithine
DHO	District Health Officer	ml	milliliter
DHS	Dynamic Hip Screw	mm	millimetre
DMARDS	Disease Modifying Agents for Rheumatoid Disorders	MOH	Ministry of Health
DMPA	Medroxyprogesterone acetate	MRI	Magnetic Resonance Imaging
DNA	Deoxyribonucleic Acid	MTB	Mycobacterium tuberculosis
DPT	Diphtheria Pertussis Tetanus	MU	Mega Unit = One million (1,000,000) units
EC	Enteric coated	NaCl	Sodium Chloride
ECG	Electrocardiogram	NCD	Non-Communicable Diseases
EEG	Electroencephalography	NDA	National Drug Authority
EID	Emerging infectious diseases	NMCP	National Malaria Control Program
EN	European Standards	NSAIM	Non-steroidal anti-inflammatory medicines
ESR	Erythrocyte Sedimentation Rate	NTLP	National Tuberculosis and Leprosy Program
FG	French Gauge	OPG	Orthopantomograph
FSH	Follicle stimulating hormone	Pb	Lead
Hb	Haemoglobin	PCR	Polymerase chain reaction
HBV	Hepatitis B Virus		

PGA	Polyglycolic acid
PMMA	Polymethylmethacrylate
POP	Plaster of Paris
PPD	Purified Protein Derivative
QA	Quality Assurance
Rh	rhesus
RPMT	Regional Performance Monitoring Team
RPR	Rapid Plasma Reagin
SC	Subcutaneous
SR	Slow-release
TB	tuberculosis
TPHA	Treponema Pallidum Haemagglutination Assay
TSH	Thyroid stimulating hormone
UBTS	Uganda Blood Transfusion Services
UCG	Uganda Clinical Guidelines
UCI	Uganda Cancer Institute
UCMB	Uganda Catholic Medical Bureau
UHSC	Uganda Health Supply Chain Program
UNEPI	Uganda National Expanded Program on Immunisation
UNFPA	United Nations Population Fund
UNHLS	Uganda National Health Laboratory Services
UNICEF	United Nations International Children's Emergency Fund
USAID	United States Agency for International Development
UVRI	Uganda Virus Research Institute
VEN	Vital, Essential, Necessary
VL	Viral load
WBC	White Blood Cell
WHO	World Health Organisation
WOW	White open wove.



THIOPENTAL 500mg
PAINPHARMA
THIOPENTAL 500mg
PAINPHARMA
THIOPENTAL 500mg
PAINPHARMA

ANAESTHETICS

MINISTRY OF HEALTH

Ministry of Health
U.G.

SPINESIA-D

INTRODUCTION TO EMHSLU 2023

Essential Medicines Concept

In 1999, the World Health Organization Expert Committee on Essential Medicines defined essential medicines as those medicines that satisfy the healthcare needs of the majority of the population at a cost that is affordable to them and their community. Essential medicines should always be available, in adequate amounts, and in the appropriate dosage forms.

The essential medicines concept is a public health principle that promotes efficient use of resources by establishing and using a limited list of carefully selected medicines. By selecting a few medicines, better treatment and easier supply, storage, and distribution can be assured at a lower cost. The concept is based on the observations that:

- The vast majority of health problems for most of the population can be treated with a small number of carefully selected medicines.
- In practice, most doctors and other health professionals routinely use fewer than 200 medicines; training and clinical experience should focus on the proper use of these medicines.

VEN classification

In the context of limited resources, it is very important to learn to prioritise medicines and health supplies. This is reflected by the Vital, Essential, Necessary (VEN) classification. Items are classified into three categories, according to their health impact:

V: Vital items are used to diagnose and treat life-threatening conditions, or are considered medicine of choice or “first line” items in their therapeutic category. Their unavailability would cause serious harm and side effects. They must be ALWAYS available.

E: Essential medicines are important; they are used to treat common illnesses, maybe less severe but nevertheless significant, or are second line items in their therapeutic categories.

N: Necessary (or sometimes called non-essential) medicines are those used for minor or self-limiting illnesses, or diseases with less impact on the population, or items with a high cost for marginal therapeutic benefit.

The VEN classification is intended to guide health facilities to prioritize items during procurement. Vital items have first priority, because their unavailability can lead to death of a patient or irreparable injury.

Essential items have second priority; if these items are not available, the patient could suffer pain or great discomfort. Necessary items are needed and therefore on the order form; however, they have third priority.

The VEN-classified EMHSLU also guides the National Medical Stores on which items to procure and which to include in the kits.

VEN classification also allows for better and simplified stock, and storage management as a limited number of the most crucial items are available, which leads to better supply chain efficiency and effectiveness.

AWaRe classification

This applies to antimicrobial agents in relation to antimicrobial resistance.

Products are classified in stewardship groups, namely, access, watch and reserve.

Access

Antibiotics with activities against commonly encountered susceptible pathogens and shows lower resistance potential than in other groups.

Watch

Antibiotics that have higher resistance potential include most of the highest priority agents among the critically important anti-microbial agents. They should be sparingly used to avoid potential resistance.

Reserve

These are antibiotics that should be reserved for treatment of confirmed or suspected infections due to multi-drug resistant organisms. Antibiotics in this group should be treated as last resort options.

In this edition, effort has been made to avail them at a high specific level of care and patients.

Prescribers are encouraged to take the AWaRe classification into consideration when prescribing antimicrobial agents. Availability of antimicrobial agents should be made at levels of care depending on prescriber competences. Their prescription and use should be guided by laboratory results.

Level of use (L)

The items in the EMHSLU 2023 have also been grouped according to level of use. Each item has a designation representing the lowest level of use. The item can be prescribed and dispensed at this level and all the levels above. This designation is in line with the diagnostic and clinical skills expected to be available

at that level. For specialist items, the use of an item is further restricted to facilities where a specific type of clinical and/or diagnostic expertise is available (e.g., anti-cancers).

The level indicated also guides procurement of health supplies by both the National Medical Stores and the health facilities.

Below are the levels used in the list, including the highest professional cadre expected at lower-level health facilities.

NR	National referral hospital
RR	Regional referral hospital
H	Hospital
HC4	Health centre 4 (Medical Officer)
HC3	Health centre 3 (Clinical Officer)
HC2	Health centre 2 (Enrolled Comprehensive Nurse)
HC1	Health centre 1 (Community,VHT, CHEW)

STRUCTURE OF EMHSLU 2023

The EMHSLU 2023 comprises four sections, A-D.

Section A: Essential Medicines List 2023

This comprises both general use and specialist medicines. These have been classified by therapeutic categories following a similar structure to the 19th WHO Model List of Essential Medicines, 2021. It consists of all medicines recommended in the UCG 2023 that were selected based on efficacy, safety and cost-effectiveness.

The specialist medicines are those for which specialized medical care, training, diagnosis or monitoring is needed. These are mostly restricted to regional and national referral hospitals where the required expertise is available.

The relevant International Non-proprietary Name (INN) or generic names for the medicines are used throughout the list. Short forms of medicine names are used for only well-known abbreviations such AZT for zidovudine.

This section is presented in tables labeled as: DS=dosage form, STR = strength, L = Level of use, C = VEN classification.

Section B: General Health Supplies

This section includes medical sundries used in all healthcare facilities and are arranged in alphabetical order.

Section C: Specialist Health Supplies

This list includes supplies used in specialized situations such as ophthalmology, dialysis, etc.

Section D: Laboratory Health Supplies

The laboratory list includes standardized equipment and supplies, harmonized with the test techniques, operating procedures for each type of test and for each level of care within the health system. The standardization is meant to strengthen the country's laboratory capacity and service delivery to provide access to high quality, rapid and affordable diagnostic tests for the care, treatment, prevention and surveillance of infectious and non-infectious diseases.

The standardized laboratory list, which is also VEN-classified, helps to reduce the number of commodities being managed by the procurement bodies, leading to better supply chain management.

COMPOSITION OF THE EMHSLU

The EMHSLU 2023 comprises a total of 784 medicines, 738 health supplies and 1350 laboratory supplies, with 248%, 175% and 565% items classified as Vital on each list respectively.

Table 1: Medicines in EMHSLU 2023 by level of use (LOU) and VEN classification (General and Specialist)

LOC/ VEN	VITAL	Essential	Necessary	Total
NR	26	21	23	70
RR	23	80	77	180
H	43	58	45	146
HC4	55	48	30	133
HC3	76	44	19	139
HC2	47	28	21	96
HC1	14	4	2	20
Total	284	283	217	784

Table 2: Specialist medicines in EMHSLU 2023 by level of use (LOU) and VEN classification

LOC/ VEN	VITAL	Essential	Necessary	Total
NR	6	14	19	39
RR	10	46	38	94
H	17	13	13	43
HC4	3	0	3	6
HC3	2	3	2	7
Total	38	76	75	189

Table 3: Supplies in EMHSLU 2023 by level of use (LOU) and VEN classification

VEN/LOU	Vital	Essential	Necessary	Total
NR	5	0	1	6
RR	30	153	51	234
H	24	98	56	178
HC4	59	92	33	184
HC3	21	37	11	69
HC2	35	17	13	65
HC2 (HCl)	1	1	0	2
Total	175	398	165	738

Table 4: Laboratory supplies in EMHSLU 2023 by level of use (LOU) and VEN classification

LOC/ VEN	Vital	Essential	Necessary	Total
NR	174	3	0	177
RR	41	107	1	149
H	77	311	193	581
HC4	98	19	77	194
HC3	49	65	4	118
HC2	126	1	4	131
Total	565	506	279	1350

CHANGES TO THE EMHSLU 2023

A total of 35 medicines/formulations were deleted from the 2016 Essential Medicine List for Uganda (EMLU) and 61 new medicines or formulations were included on the 2022 essential medicines list. The main reasons for deletion and addition of medicines were to align with the most current treatment guidelines, new disease patterns, evidence and/or development of new and better formulation or fixed dose combinations.

New sections have been introduced to cater for newborn care items and covid-19 protective gear under the medical supplies, while section 8 under the laboratory supplies caters for histology items for RRH and NRHs.

Essential medicines/formulations deleted from 2016 edition.

1. Abacavir 60mg
2. Abacavir sulfate 300mg
3. Aminophylline injection 25mg/ml
4. Aminophylline tablet 100mg
5. Amlodipine 10mg tablet
6. Amoxicillin + Clavulanic Acid Tablet 875/125 mg
7. Atorvastatin Tablet 40mg
8. Beclomethasone 50 µg/metered dose inhalation
9. Beclomethasone 50 µg/metered dose inhalation
10. Capreomycin Powder for injection 1 g

11. Efavirenz 200mg
12. Efavirenz 600mg
13. Formoterol 12 µg/metered dose inhalation
14. Glibenclamide Tablet 5 mg
15. Imipramine tablet 25 mg
16. Insulin isophane Injection 100 IU/ml
17. Ipratropium bromide 20 µg/metered dose inhalation
18. Ipratropium bromide nebuliser solution 250 µg/ml
19. Kanamycin Powder for injection 1 g
20. Lamivudine 150mg
21. Lamotrigine tablet 25 mg
22. Linezolid Tablet 600 mg
23. Moxifloxacin Tablet 400 mg
24. P-Aminosalicylic acid Granules 4 g
25. Pioglitazone Tablet 30mg
26. Rifampicin + dapsone Tablet (blister) 450 mg + 50mg
27. Rifampicin + dapsone Tablet (blister) 600 mg + 100Mg
28. Rifampicin + isoniazid + ethambutol Tablet 150 mg + 75mg + 275 mg
29. Rifampicin + isoniazid Dispersible tablet 60 mg + 30mg
30. Salbutamol nebuliser solution 5mg/ml
31. Salbutamol tablet 4mg
32. Tenofovir + Lamivudine + Efavirenz 300 mg + 300mg + 600 mg
33. Trifluoperazine tablet 5 mg
34. Trifluoperazine tablet 5 mg
35. Zidovudine + Lamivudine + Nevirapine 300 mg + 150mg + 200 mg
36. Zidovudine + Lamivudine + Nevirapine 60 mg + 30mg + 50 mg
37. Zidovudine 300mg

Essential medicines/formulations added to 2023 edition

38. 4-Factor Prothrombin Complex Concentrate (factors II, VII, IX, X) Concentrate 1000IU
39. 5 Flucytosine Tablet 500mg
40. Abacavir + lamivudine + Dolutegravir 600 mg + 300mg + 50mg
41. Amlodipine + Losartan Tablet 5mg+50mg
42. Amlodipine 5mg tablet

43. Anti-thymocyte globulin (ATG) Injectable solution 50mg/mL
44. Apixaban Tablet 2.5mg
45. Apixaban Tablet 5mg
46. Atorvastatin Tablet 20mg
47. Beclomethasone aerosol inhalation 100 µg/ metered dose inhalation
48. Bedaquiline Tablet 20mg
49. Bi-phasic protamine crystallised insulin aspart 30%+70% in 100IU/ml
50. Budesonide + Formoterol Aerosol inhalation 200µg + 6µg or 160/4.5 µg per dose
51. Budesonide aerosol inhalation 200 µg/metered dose inhalation
52. Bupropion hydrochloride tablet 150mg
53. Carbetocin Injection IV/IM 100mcg
54. Clofazimine Tablet 50mg
55. Clomipramine capsule 25mg
56. Clozapine tablet 100mg
57. Clozapine tablet 25mg
58. Combipack (200 mg mifepristone +400 µg misoprostol)
59. Cycloserine Tablet 125mg
60. Dapagliflozin Tablet 5mg
61. Delamanid Tablet 25mg
62. Delamanid Tablet 50mg
63. Donepezil tablet 5 mg
64. Dolutegravir 10mg
65. Emicizumab (humanized antibody) for hemophilia Concentrate IV 150mg/mL
66. Emicizumab Dried powder for injection 1000IU
67. Escitalopram tablet 10mg
68. Factor IX (coagulation factors II,VII, IX, X)
69. Gliclazide Tablet 80mg
70. Glucagon Injection 1mg/ml
71. Hydrochlorothiazide Tablet 25mg
72. Immune globulin (IVIG) Injectable solution 5g/ vial
73. Indapamide Tablet 1.5mg
74. Insulin Aspart injection 100 U/ml
75. Insulin glargine Injection 100 U/ml
76. Lamotrigine tablet 50 mg
77. Levofloxacin Tablet 100mg
78. Linezolid Tablet 100mg
79. Liposomal Amphotericin B Powder for injection 50mg
80. Losartan + Hydrochlorothiazide Tablet 50mg + 12.5mg
81. Lypophilized concentrate 150mg/mL
82. Magnesium sulphate 0.5mg/ml
83. Magnesium sulphate injection 0.5mg/ml
84. Methadone oral liquid 10mg/5ml
85. Modafinil tablet 200mg
86. Monteleukast Tablet 4mg
87. Monteleukast Tablet 5mg
88. Nebivolol 5mg tablet
89. NYDA (Dimeticone) oil 50ml
90. Pregabalin capsule 75mg
91. Procyclidine tablet 5mg
92. Ramipril Capsule 5mg
93. Rifampicin + isoniazid + pyrazinamide Tablet 75mg + 50mg + 150 mg
94. Rifampicin + isoniazid Dispersible tablet 75 mg + 50mg
95. Rifapentine Tablet 150mg
96. Rifapentine+Isoniazid Tablet 300/300mg
97. Rivaroxiban Tablet 15mg
98. Rivaroxiban Tablet 20mg
99. Rosuvastatin Tablet 10mg
100. Salbutamol/Ipratropium Nebuliser solution 2.5mg/500mcg/2.5ml
101. Sertraline Tablet (Film coated) 50mg
102. Sodium valproate tablet 300mg
103. Telmisartan + Hydrochlorothiazide Tablet 40mg + 12.5mg
104. Telmisartan Tablet 40mg
105. Tenofovir + Lamivudine + Efavirenz 300 mg + 300mg + 400 mg
106. Tetrabenazine tablet 25 mg
107. Tiotropium bromide aerosol inhalation 9mcg/ metered dose inhaler
108. Tranexamic acid (TXA) Injection 1000mg IV
109. Valsartan + Hydrochlorothiazide Tablet 80mg + 12.5mg
110. Valsartan Tablet 80mg
111. Venlafaxine Tablet (scored) 75mg
112. Vildagliptin Tablet 50mg
113. Vitamin C (Ascorbic acid) Intravenous

500mg/5ml

114. Warfarin Tablet 1mg

115. Zolpidem tablet 5mg

116. Zolpidem tablet 5mg

AMENDMENTS

Proposals for amendments to the EMHSLU 2023 with relevant arguments and literature should be sent to:

Pharmacy Department, Ministry of Health Plot
6 Lourdel Road, P.O. Box 7272 Kampala, Uganda

Tel: +256-417-771330, +256-417-712260, Toll
Free: 0800100066

Email: ps@health.go.ug:

Website: www.health.go.ug

Information to be included with an application for inclusion, change or deletion of a product in the EMHSLU.

- A summary statement of the proposal for inclusion, change or deletion.
- Name, address and contact details of the organization /individual consulted and/or supporting the application.
- International Non-proprietary Name (INN, generic name) of the medicine
- Formulation proposed for inclusion: state the relevant section or subsection, including adult and paediatric (if appropriate)
- International and national availability
- Whether listing is requested as an individual medicine or as an example of a therapeutic group
- Information supporting the public health relevance (epidemiological information on disease burden, assessment of current use, target population)
- Treatment details (dosage regimen, duration, reference to existing WHO and other clinical guidelines; need for special diagnostics, treatment or monitoring facilities and skills)
- Summary of comparative effectiveness in a variety of clinical settings:
 - Identification of clinical evidence (search strategy, systematic reviews identified, reasons for selection/exclusion of particular data)
 - Summary of available data (appraisal of quality, outcome measures, summary of results)
- Summary of comparative evidence on safety:
 - Estimate of total patient exposure to-date
 - Description of the adverse effects/reactions and estimates of their frequency
 - Identification of variation in safety that may relate to health systems and patient factors
 - Summary of comparative safety against comparators.
- Summary of available data on comparative cost and cost- effectiveness within the pharmacological class or therapeutic group
 - range of costs of the proposed medicine
 - resource use and comparative cost-effectiveness presented as range of cost per routine outcome.
- Summary of regulatory status of the medicine (in various countries).



WYNONILE HARINA
PHARMACEUTIST

ANTI-HYPERTENSIVE

235-64538726
TURKISH
1000 mg
1000 mg
1000 mg

SECTION A: ESSENTIAL MEDICINES LIST 2023

MEDICINE	DS	STR	L	C
I. ANAESTHETICS				
I.1 General anaesthetics and oxygen				
I.1.1 Inhalational medicines				
Halothane	Liquid for inhalation	100%	HC4	V
Isoflurane	Liquid for inhalation	≥99.9%	H	V
Medical air	Medical gas	99.99%	HC4	N
Oxygen	Medical gas	99.8%	HC4	V
Specialist Medicines				
Desflurane	Liquid for inhalation	100%	NR	E
Nitrous oxide	Medical gas	99.999%	H	E
Sevoflurane	Liquid for inhalation	100%	NR	V
I.1.2 Injectable medicines				
Propofol	Injection	10 mg/ml	H	V
Thiopental sodium	Powder for injection	500 mg	HC4	V
Ketamine	Injection	50 mg/ml	HC4	V
Specialist medicines				
Etomidate	Injection	2 mg/ml	RR	E
I.2 Local anaesthetics				
Lignocaine	Injection	2%	HC2	V

MEDICINE	DS	STR	L	C
Lignocaine (preservative free)	Injection	5%	HC4	V
Lignocaine	Gel	2%	HC3	N
Lignocaine	Ointment	5%	HC4	N
Lignocaine	Spray	5%	HC4	N
Bupivacaine (with dextrose)	Injection	4 ml; 0.50% indextrose 8.0%	HC4	V
Specialist Medicines				
Lignocaine + epinephrine (adrenaline)	Injection (dental cartridg)	2% + 1:80 000	HC4	V
Lignocaine	Injection (epidural)	2%	RR	V
Lignocaine + adrenaline	Injection	1% + 1:2,000,000	NR	N
Bupivacaine (with preservative)	Injection	0.50%	RR	E
I.3 Preoperative and peri-operative medication				
Atropine	Injection	1 mg/ml	HC4	E
Diazepam	Rectal tube	2 mg/ml	HC4	V
Diazepam	Injection	5 mg/ml	HC4	V
Ephedrine	Injection	30 mg/ml	HC4	V
Specialist medicines				
Droperidol	Injection	2.5 mg/ml	H	N
Fentanyl	Injection	50 µg/ml	H	V
Glycopyrrolate	Injection	200 µg/ml	RR	V
Lorazepam	Injection	4 mg/ml	H	E
Midazolam	Injection	2 mg/ml	RR	V
Phenylephrine	Injection	10 mg/ml	H	V
Remifentanil	Powder for injection	1 mg	NR	V

MEDICINE	DS	STR	L	C
2. MEDICINES FOR PAIN AND PALLIATIVE CARE				
2.1 Non-opioids and non-steroidal anti-inflammatory drugs (NSAIDs)				
Diclofenac	Tablet	50 mg	HC4	E
Diclofenac	Injection	25 mg/ml	HC4	V
Ibuprofen	Tablet	200 mg	HC3	E
Paracetamol	Tablet	500 mg	HC1	E
Paracetamol	Suppository	125 mg	HC2	E
Specialist medicines				
Mefenamic acid	Tablet	500 mg	H	N
2.2 Opioid analgesics				
Codeine	Tablet	30 mg	HC4	E
Morphine	Oral solution	10 mg/5ml	HC3	E
Morphine (concentrated)	Oral solution	20 mg/ml	NR	V
Morphine	Injection	10 mg/ml	HC4	V
Pethidine	Injection	50 mg/ml	HC4	V
Tramadol	Capsule	50 mg	RR	N
Tramadol	Injection	50 mg/ml	RR	N
Morphine	Oral Solution	5mg/5mls	HC3	E
Morphine	Oral Solution	50mg/5mls	H	E
2.3 Medicines for other common symptoms in palliative care				
Acyclovir	Tablet	200 mg	HC4	E
Amitriptyline	Tablet	25 mg	HC3	V
Bisacodyl	Tablet	5 mg	HC3	E
Carbamazepine	Tablet	100 mg	HC3	V
Chlorpromazine	Tablet	25 mg	HC2	E
Clonazepam	Tablet	2 mg	RR	E
Dexamethasone	Tablet	4 mg	HC4	E
Diazepam	Tablet	5 mg	HC3	V
Fluconazole	Capsule	200 mg	HC4	E
Fluconazole	Suspension	50 mg/ml	HC4	E
Haloperidol	Tablet	5 mg	HC4	E
Haloperidol	Injection	5 mg/ml	HC4	N
Hyoscine	Tablet	20 mg	HC4	E
Hyoscine	Injection	20 mg/ml	H	E
Liquid paraffin	Oral emulsion	100 ml	HC4	N
Metoclopramide	Injection	5 mg/ml	HC4	E
Naloxone	Injection	0.4 mg/ml	HC4	V
Phenytoin	Tablet	100 mg	HC2	V
Prednisolone	Tablet	5 mg	HC3	E
Promethazine	Tablet	25 mg	HC3	E
Metronidazole	Gel	0.75%	H	N
Metronidazole	Powder for wounds		HC2	E
3. ANTI-ALLERGICS AND MEDICINES USED IN ANAPHYLAXIS				
Chlorphenamine maleate	Tablet	4 mg	HC2	E
Dexamethasone	Tablet	0.5 mg	H	N
Dexamethasone	Injection	4 mg/ml	HC4	E
Epinephrine (adrenaline)	Injection	1 mg/ml	HC2	V

MEDICINE	DS	STR	L	C
Hydrocortisone sodium succinate	Powder for injection	100 mg	HC3	V
Prednisolone	Tablet	5 mg	HC2	E
Promethazine	Tablet	25 mg	HC2	E
Promethazine	Injection	25 mg/ml	HC4	E
Cetirizine	Tablet	10 mg	H	N
4. ANTIDOTES AND OTHER SUBSTANCES USED IN POISONING				
4.1 Non-specific antidotes				
Charcoal (activated)	Tablet	250 mg	HC2	E
4.2 Specific antidotes				
Acetylcysteine	Injection	200 mg/ml	H	E
Atropine	Injection	1 mg/ml	HC4	V
Calcium gluconate	Injection	10%	HC3	V
Naloxone	Injection	400 µg/ml	H	E
Phytomenadione (Vitamin K1)	Injection	10 mg	HC4	E
Specialist medicines				
Calcium folinate (folinic acid)	Injection	3 mg/ml	RR	E
Desferrioxamine (Desferroxamine) mesilate	Powder for injection	500 mg	NR	N
Dimercaprol	Injection	50 mg/ml	NR	N
Methionine	Tablet	250 mg	H	N
Methylthionium chloride (methylene blue)	Injection	10 mg/ml	H	N
Penicillamine	Tablet	250 mg	NR	N
Pralidoxime mesylate	Powder for injection	1 g	RR	E
Benztropine	Injection	1 mg/ml	H	E
Flumazenil	Injection	0.1 mg/ml	H	N
Sodium thiosulphate	Injection	250 mg/ml	NR	N
Protamine	Injection	10 mg/ml	H	E
5. ANTIPILEPTICS/ANTICONVULSANTS				
Carbamazepine	Tablet	200 mg	HC3	V
Carbamazepine	Tablet	300 mg	RR	V
Carbamazepine	Tablet (chewable)	100 mg	HC4	N
Diazepam	Injection	5 mg/ml	HC4	V
Diazepam	Suppository	2.5 mg	HC2	V
Diazepam	Rectal tube	2 mg/ml	HC4	V
Ethosuximide	Capsules	250 mg	H	E
Magnesium sulphate	Injection	500 mg/ml	HC3	V
Phenobarbital	Tablet	30 mg	HC2	V
Phenobarbital	Injection	200 mg/ml	HC4	V
Phenytoin	Injection	50 mg/ml	RR	V
Phenytoin	Tablet	100 mg	HC2	V
Sodium valproate	Tablet (EC)	500 mg	H	E
Sodium valproate	Tablet (crushable)	100 mg	HC4	E
Specialist medicines				
Lamotrigine	Tablet	25 mg	RR	E
Flumazenil	Injection	0.1 mg/ml	H	N
Levetiracetam	Tablet	250MG	RR	N

MEDICINE	DS	STR	L	C
6. ANTI INFECTIVE MEDICINES				
6.1 Anti helminthics				
6.1.1 Intestinal antihelminthics				
Albendazole	Tablet	400 mg	HC1	V
Ivermectin	Tablet	6 mg	HC2	N
Mebendazole	Tablet	100 mg	HC2	E
Praziquantel	Tablet	600 mg	HC3	E
Niclosamide	Tablet	500 mg	HC4	N
6.1.2 Antifilarials				
Albendazole	Tablet	400 mg	HC1	V
Ivermectin	Tablet	6 mg	HC3	E
6.1.3 Anti schistosomes and other antitrepatode medicines				
Ivermectin	Tablet	6 mg	HC3	E
Praziquantel	Tablet	600 mg	HC4	E
Specialist medicines				
Diethylcarbamazine citrate	Tablet	50 mg	H	N
6.2 Antibacterials				
6.2.1 Beta-lactam medicines				
Amoxicillin	Capsule	250 mg	HC2	V
Amoxicillin	Dispersible tablet	250 mg	HC1	V
Amoxicillin	Dispersible tablet	125 mg	HC1	V
Amoxicillin/Clavulanic acid	Tablet	250/125 mg	RR	E
Ampicillin	Powder for injection	500 mg	HC3	V
Benzathine penicillin	Powder for injection	2.4 MU	HC3	E
Benzylpenicillin	Powder for injection	600 mg	HC2	V
Cefalexin	Capsules	250 mg	H	N
Cefixime	Tablet	200 mg	H	N
Ceftriaxone	Powder for injection	1 g	HC3	V
Ceftriaxone	Powder for injection	500 mg	HC3	V
Cloxacillin	Capsules	250 mg	HC3	E
Cloxacillin	Powder for injection	500 mg	HC3	E
Phenoxy methyl-penicillin	Tablet	250 mg	HC2	N
Procaine benzylpenicillin forte	Powder for injection	4 MU	H	N
Specialist Medicines				
Cefuroxime	Tablet	250 mg	RR	E
Cefuroxime	Oral suspension	125 mg/5 ml	RR	N
Cefuroxime sodium	Powder for injection	500 mg	RR	E
Meropenem	Powder for injection	500 mg	RR	V
Imipenem/Cilastatin	Powder for injection	500 mg	RR	E
Piperacillin/ Tazobactam	Powder for injection	2 g/250 mg	RR	E
6.2.2 Other antibacterial medicines				
Azithromycin	Tablet	250 mg	H	N
Azithromycin	Oral suspension	200 mg/5ml	HC2	E
Chloramphenicol	Powder for injection	1 g	HC4	E
Chloramphenicol	Capsule	250 mg	H	N
Ciprofloxacin	Tablet	500 mg	HC2	V

MEDICINE	DS	STR	L	C
Cotrimoxazole	Tablet	120 mg	HC2	V
Cotrimoxazole	Tablet	480 mg	HC2	V
Cotrimoxazole	Tablet	960 mg	HC2	E
Dapsone	Tablet	100 mg	HC2	V
Doxycycline	Tablet	100 mg	HC2	V
Erythromycin	Tablet (scored)	250 mg	HC3	V
Gentamicin	Injection	40 mg/ml	HC3	V
Metronidazole	IV infusion	5 mg/ml	HC4	V
Metronidazole	Tablet	200 mg	HC2	V
Nitrofurantoin	Tablet	100 mg	HC2	E
Vancomycin	Injection	500 mg	RR	E
Clindamycin	Injection	150 mg/ml	H	E
Specialist medicines				
Ciprofloxacin	Solution for IV infusion	2 mg/ml	RR	E
Paromomycin sulphate	Capsule	250 mg	RR	N
Cotrimoxazole	IV infusion	96 mg/ml	RR	N
6.2.3 Anti leprosy medicines				
Prednisolone	Tablet	5 mg	HC3	E
Rifampicin + clofazimine + dapsone	Tablet (blister)	600 mg + 300 mg + 100 mg	HC3	V

MEDICINE	DS	STR	L	C
Rifampicin + Clofazimine + Dapsone	Tablet	450 mg + 150 mg + 50 mg	HC3	V
Rifampicin+Dapsone	Tablet (blister)	600 mg + 100 mg	HC3	V
Rifampicin+Dapsone	Tablet (blister)	450 mg + 50 mg	HC3	V
Rifampicin	Tablet	150 mg	HC3	V
Dapsone	Tablet	50 mg	HC3	V
Clofazimine	Tablet	50 mg	HC3	V
Linezolid	Tablet	100mg		
6.2.4 Anti tuberculosis medicines				
Ethambutol	Tablet	400 mg	HC3	E
Ethambutol	Tablet	100 mg	HC3	E
Isoniazid	Tablet	300 mg	HC3	V
Isoniazid	Tablet (Dispersible)	100 mg	HC3	V
Pyrazinamide	Tablet	400 mg	HC3	E
Rifampicin + Isoniazid	Dispersible tablet	60 mg + 30 mg	HC3	V
Rifampicin + Isoniazid	Tablet	150 mg + 75 mg	HC3	V
Rifampicin + Isoniazid	Tablet	300 mg + 150 mg	HC3	V
Rifampicin+ Isoniazid + Pyrazinamide	Tablet	60 mg + 30 mg + 150 mg	HC3	V
Rifampicin + Isoniazid + Pyrazinamide + Ethambutol	Tablet	150 mg + 75 mg + 400 mg + 275 mg	HC3	V
Rifabutin	Capsule	150 mg	HC3	E
Rifampicin + Isoniazid + Pyrazinamide	Tablet	75mg + 50 mg + 150 mg	HC3	V
Rifapentine +Isoniazid	Tablet	300mg +300mg	HC3	V
Rifapentine	Tablet	150mg	HC3	V
Rifampicin + Isoniazid	Dispersible tablet	75 mg + 50 mg	HC3	V
Specialist medicines				

MEDICINE	DS	STR	L	C
Delamanid	Tablet	50mg	H	V
Delamanid		Tablet	25mg	H
Bedaquiline	Tablet	100 mg	H	V
Bedaquiline	Tablet	20mg	H	V
Cycloserine	Capsule	250 mg	H	V
Cycloserine	Tablet	125mg	H	V
Ethionamide	Tablet	250 mg, 125 mg	H	V
Levofloxacin	Tablet	250 mg	H	V
Levofloxacin	Tablet	100mg	H	V
Linezolid	Tablet	100 mg	H	V
Prothionamide	Tablet	250 mg	H	V
Clofazimine	Capsule	100 mg	H	V
Levofloxacin	Tablet	100mg	H	V
Clofazimine	Tablet	50mg	H	V
6.3 Antifungal medicines				
Clotrimazole	Pessary	100 mg	HC2	V
Fluconazole	Tablet	200 mg	HC3	V
Griseofulvin	Tablet	500 mg	HC3	E
Nystatin	Pessary	100,000 IU	HC2	N
Nystatin	Oral suspension	100,000 IU/ml	HC2	E
Nystatin	Tablet	500,000 IU	HC3	N
Specialist medicines				
Amphotericin B Deoxycholate	Powder for injection	50 mg	H	V
Liposomal Amphotericin B	Powder for injection	50mg	HN	
Fluconazole	Oral Suspension	50 mg/5 ml (35 ml)	HC4	E
Fluconazole	Injection	2mg/ml (100ml)	H	V
Flucytosine	Injection	10 mg/ml	RR	N
5 Flucytosine	Tablet	500mg	RR	N
Ketoconazole	Tablet	200 mg	H	N
6.4 Antiviral medicines				
6.4.1 Anti-herpes medicines				
Acyclovir	Tablet	200 mg	HC4	E
6.4.2 Antiretrovirals				
6.4.2.1 Nucleoside/ Nucleotide reverse transcriptase inhibitors				
Tenofovir	Tablet	300 mg	HC3	V
6.4.2.2 Non-nucleoside reverse transcriptase inhibitors				
Nevirapine	Suspension	10 mg/ml	HC3	V
Dapivirine	Vaginal Ring	25mg	HC3	V
Efavirenz	Tablet	200mg	HC3	V
Etravirine	Tablet	100 mg	HV	E
Etravirine	Tablet	25 mg	HV	E
6.4.2.3 Protease inhibitors				
Atazanavir + (ritonavir)	Tablet	300 mg+ (100mg)	HC3	V
Darunavir + (Ritonavir)	Tablet	75 mg + (100 mg)	HC3	V
Darunavir (+Ritonavir)	Tablet	600 mg + (100mg)	HC3	V
Darunavir (+Ritonavir)	Tablet	400 mg + (50mg)	HC3	V
Ritonavir	Tablet	25 mg	HC3	V

MEDICINE	DS	STR	L	C
Lopinavir (+ Ritonavir)	granules/Sachets	40 mg + 10 mg/ml	HC3	V
Lopinavir (+ ritonavir)	Tablet	100 mg + 25 Mg	HC3	V
Lopinavir (+ Ritonavir)	Tablet	200 mg + 50 Mg	HC3	V
Ritonavir	Tablet	100 mg	HC3	V
6.4.2.4 Fixed dose combinations				
Abacavir + Lamivudine	Tablet (dispersible)	120 mg + 60 Mg	HC3	V
Abacavir + Lamivudine	Tablet	600 mg + 300 mg	HC3	V
Tenofovir+ Lamivudine	Tablet	300 mg + 300 mg	HC3	V
Tenofovir + Emtricitabine	Tablet	300mg + 200mg	HC3	V
Zidovudine + Lamivudine	Tablet	300 mg + 150 mg	HC3	V
Zidovudine +Lamivudine	Tablet	60 mg + 30mg	HC3	V
Tenofovir + Lamivudine + Efavirenz	Tablet	300mg +300mg +400mg	HC3	V
Abacavir + Lamivudine + Dolutegravir	Tablet	600mg + 300mg +50mg	HC3	V
Abacavir + Lamivudine + Dolutegravir	Tablet	60mg + 30mg + 5mg	HC3	V
Tenofovir + Lamivudine +Dolutegravir	Tablet	300mg + 300mg + 50mg	HC3	V
Tenofovir alafenamide + Emtricitabine + Dolutegravir	Tablet	25mg + 200mg + 50mg	HC3	V
6.4.2.5 Integrase inhibitors				
Raltegravir	Tablet (chewable)	100 mg	HC3	V
Raltegravir	Tablet	400 mg	HC3	V
Dolutegravir	Tablet	50 mg	HC3	V
Doultegravir	Tablet	10mg	HC3	V
Cabotegravir	Injectable	600mg/3ml	HC3	V
6.4.3 Anti hepatitis medicines				
6.4.3.1 Medicines for HepatitisB				
6.4.3.1.1 Nucleoside / Nucleotide reverse transcriptase inhibitors				
Tenofovir Disoproxil Fumarate	Tablet	300 mg	HC4	V
Entecavir	Oral liquid	0.05 mg/ml	RR	V
6.4.4 Other antivirals				
Specialist medicines				
Oseltamivir phosphate	Capsule	75 mg	RR	N
Oseltamivir phosphate	Capsule	45 mg	RR	N
Oseltamivir phosphate	Capsule	30 mg	RR	N
Ganciclovir sodium	Powder for injection	500 mg	RR	E
6.4.4.1 Covid-19				
Nirmatrelvir/ritonavir	Tablet	300mg	RR	N
Lagevrio (Molnupiravir)	Capsule	200mg	RR	N
Sotrovimab	Inj IV	500mg/8ml	RR	N
Remdesivir	Inj IV	100mg/20ml	RR	N
6.5 Antiprotozoal medicines				
6.5.1 Ant amoebic and anti-giardiasis medicines				
Metronidazole	Tablet	200 mg	HC2	V
Tinidazole	Tablet	500 mg	H	N
6.5.2 Anti-leishmaniasis medicines				
Specialist medicines				

MEDICINE	DS	STR	L	C
SodiumStibogluconate	Injection	100 mg/ml	RR	E
Liposomal Amphotericin B	Powder for injection	50 mg	RR	E
6.5.3 Antimalarial medicines				
6.5.3.1 For curative treatment				
Artemether	Injection	80 mg/ml	HC3	E
Artemether+ Lumefantrine	Tablet	20 mg + 120 mg	HC1	V
Artesunate	Injection	60 mg/ml	HC3	V
Artesunate	Suppository	50 mg	HC1	V
Artesunate	Suppository	200 mg	HC1	V
Artesunate + Amodiaquine	Tablet	50 mg + 153 mg	HC2	E
Dihydroartemisinin + piperaquine	Tablet	40 mg + 320 mg	HC4	E
Quinine	Injection	300 mg/ml	HC3	E
Quinine	Tablet	300 mg	HC2	E
6.5.3.2 For prophylaxis				
Chloroquine	Tablet	150 mg	HC4	E
Sulphadoxine+ Pyrimethamine	Tablet	500 mg + 25 mg	HC2	V
Mefloquine	Tablet	250 mg	RR	N
6.5.4 Anti-pneumocystosis and anti-toxoplasmosis medicines				
Cotrimoxazole	Tablet	480 mg	HC4	V
Cotrimoxazole	Tablet	120 mg	HC4	V
Cotrimoxazole	Tablet	960 mg	HC3	V
Dapsone	Tablet	100 mg	H	N
Prednisolone	Tablet	5 mg	HC4	V
Specialist medicines				
Pyrimethamine	Tablet	25 mg	H	E
Sulfadiazine	Tablet	500 mg	H	E
Clindamycin	Capsule	150 mg	H	N
Clindamycin	Injection	150 mg/ml	H	E
Pentamidine Isethionate	Powder for Injection	300 mg	RR	E
6.5.5 Anti-trypanosomal medicines (African trypanosomiasis)				
6.5.5.1 African trypanosomiasis				
Specialist medicines				
Nifurtimox	Tablet	120 mg	RR	E
Melarsoprol	Injection	36 mg/ml	RR	E
Pentamidine Isethionate	Powder for Injection	200 mg	RR	E
Suramin Sodium	Powder for Injection	1 g	RR	E
Eflornithine	Injection	200 mg	RR	E
7. ANTIMIGRAINE MEDICINES				
7.1 For treatment of acute attacks				
Acetylsalicylic acid	Tablet	300 mg	HC2	N
Diclofenac	Injection IV/IM	25 mg/ml	HC4	V
Ergotamine	Tablet	1 mg	RR	E
Ibuprofen	Tablet	200 mg	HC3	E
Paracetamol	Tablet	500 mg	HC1	E
Specialist Medicines				
Sumatriptan	Tablet	50 mg	RR	N
7.2 For prophylaxis				

MEDICINE	DS	STR	L	C
Amitriptyline	Tablet	25 mg	HC3	V
Propranolol	Tablet	20 mg	HC4	N
Pizotifen	Tablet	0.5 mg	RR	N
8. ANTINEOPLASTIC AND IMMUNOSUPPRESSIVE MEDICINES				
8.1 Immunosuppressive medicines				
Specialist Medicines				
Azathioprine	Powder for Injection	100 mg	NR	E
Azathioprine	Tablet	50 mg	NR	V
Cyclosporin	Tablet	25 mg	NR	N
Cyclosporin	Capsules	100 mg	NR	N
Cyclosporin	Concentrate for IV inf	50 mg/ml	NR	N
Anti-thymocyte globulin (ATG)	Injectable Solution	50mg/mL	NR	N
Immune globulin (IVIG)	Injectable Solution	5g/vial	NR	V
8.2 Cytotoxic and adjuvant medicines				
Specialist Medicines				
Anastrozole	Tablet	1 mg	RR	V
Bicalutamide	Tablet	50 mg	RR	N
Bleomycin	Powder for Injection	15 IU	RR	V
Calcium folinate (folinic acid)	Tablet	15 mg	RR	E
Capecitabine	Tablet	500 mg	RR	N
Calcium folinate (folinic acid)	Injection	10 mg/ml	NR	E
Carboplatin	Injection	10 mg/ml	RR	E
Chlorambucil	Tablet	2 mg	RR	E
Cisplatin	Injection	1 mg/ml	NR	V
Cyclophosphamide	Powder for injection	1 g	NR	V
Cyclophosphamide	Capsule	100 mg	NR	N
Cytarabine	Injection	20 mg/ml	NR	V
Dacarbazine	Powder for injection	200 mg	NR	V
Dactinomycin	Powder for Injection	500 µg	NR	V
Daunorubicin	Powder for Injection	20 mg	NR	V
Docetaxel	Infusion	40 mg/ml	RR	V
Doxorubicin (adriamycin)	Powder for injection	50 mg	NR	V
Etoposide	Injection	20 mg/ml	NR	V
Filgrastim	Injection	300 µg/ml	NR	V
Fluorouracil	Injection	50 mg/ml	NR	V
Gemcitabine	Powder for injection	1 g	NR	V
Goserelin	Injection	10.8 mg	RR	V
Goserelin	Injection	3.6 mg	RR	V
Goserelin	Implant	3.6 mg	RR	V
Hydroxycarbamide (hydroxyurea)	Capsule	500 mg	RR	E
Ifosfamide-Mesna	Powder for injection	1 g	NR	V
L-asparaginase	Injection	10,000 IU	NR	V
Irinotecan	Infusion	20 mg/ml	NR	V
Mercaptopurine	Tablet	50 mg	NR	V
Mustine	Powder for injection	10 mg	NR	E
Oxaliplatin	Injection	5 mg/ml	NR	E
Paclitaxel	Powder for injection	100 mg	NR	V

MEDICINE	DS	STR	L	C
Procarbazine	Capsule	50 mg	NR	V
Rituximab	Concentrate for IV inf	10 mg/ml	NR	E
Emicizumab (humanized antibody) for hemophilia	Concentrate IV	150mg/mL	NR	E
Stilboestrol	Tablet	5 mg	RR	E
Thalidomide	Capsule	100 mg	NR	N
Thalidomide	Capsule	50 mg	NR	N
Temozolamide	Capsule	250 mg	NR	V
Thioguanine	Tablet	40 mg	NR	E
Vinblastine sulfate	Powder for injection	2 mg	NR	E
Vinblastine sulfate	Powder for injection	10 mg	NR	E
Vincristine	Injection	1 mg/ml	RR	V
8.3 Hormones andantihormones				
Betamethasone	Injection	4 mg/ml	HC4	E
Hydrocortisone sodium succinate	Powder for injection	100 mg	HC4	V
Prednisolone	Tablet	5 mg	HC4	E
Specialist medicines				
Dexamethasone	Tablet	4 mg	HC4	E
Dexamethasone	Injection	4 mg/ml	H	E
Tamoxifen	Tablet	20 mg	NR	E
9. ANTI PARKINSONISM MEDICINES				
Specialist medicines				
Tamoxifen	Tablet	20 mg	NR	E
Levodopa-Carbidopa	Tablet	100 mg + 25 mg	RR	E
10. MEDICINES AFFECTING THE BLOOD				
10.1 Anti anaemia medicines				
Ferrous sulphate	Tablet	200 mg	HC2	N
Ferrous sulphate + folic acid	Tablet	200 mg + 500 µg	HC2	V
Ferrous Salt + Folic Acid	Tablet /capsule	60mg+ 400ug	HC2	V
Folic acid	Tablet	5 mg	HC2	E
Hydroxocobalamin (vitamin B12)	Injection	1 mg/ml	RR	E
10.2 Medicines affecting coagulation				
Enoxaparin	Injection	100 mg/ml	H	N
Heparin	Injection	5000 IU/ml	H	V
Phytomenadione (Vitamin K1)	Injection	1 mg/ml	HC3	V
Tranexamic acid (TXA)	Injection	1000mg IV	HC3	V
Phytomenadion (Vitamin K1)	Injection	10 mg/ml	HC4	V
Warfarin	Tablet	5 mg	H	V
Warfarin	Tablet	1mg	H	N
Rivaroxiban	Tablet	15mg	H	V
Rivaroxiban	Tablet	20mg	H	V
Apixaban	Tablet	5mg	H	N
Apixaban	Tablet	2.5mg	H	N
Specialist medicines				
Streptokinase	Powder for injection	250,000 IU	RR	V
Tranexamic acid	Tablet	50mg	H3	N

MEDICINE	DS	STR	L	C
10.3 Other medicines for haemoglobinopathies				
Hydroxycarbamide (hydroxyurea)	Capsule	500 mg	RR	E
Hydroxycarbamide (hydroxyurea)	Capsule	250 mg	RR	E
11. BLOOD PRODUCTS OF HUMAN ORIGIN AND PLASMA SUBSTITUTES				
11.1 Blood and blood components				
Fresh-frozen plasma			RR	E
Packed red cells			HC4	V
Whole blood			HC4	V
Platelets			RR	E
11.1.1 Blood coagulation factors				
Specialist medicines				
Factor VIII concentrate	Dried powder for injection	1,500 IU	NR	N
Factor IX (coagulation factors II, VII, IX, X) complex concentrate	Dried powder for injection	1000IU	RR	N
4-Factor Prothrombin Complex Concentrate (factors II, VII, IX, X)	Lypophilized concentrate	1000IU	RR	N
Emicizumab	Concentrate	150mg/mL	RR	N
Rivaroxiban	Tablets	15/20mg	RR	N
Apixaban	Tablets	5mg	RR	N
IVIG	IV INJ		RR	N
ATG	IV INJ		RR	N
11.2 Plasma substitutes				
Dextran 70	IV infusion	6%	HC4	N
Polygeline solution	IV infusion	3.5%	HC4	N
Specialist medicines				
Albumin, human	IV infusion	25%	H	E
12. CARDIOVASCULAR MEDICINES				
12.1 Antianginal medicines				
Atenolol	Tablet	50 mg	H	V
Glyceryl trinitrate *acute attacks	Tablet (sublingual)	500 µg	H	V
Acetylsalicylic acid *acute attacks	Tablet	300 mg	HC2	V
Specialist medicines				
Isosorbide dinitrate	Tablet	30 mg	RR	N
12.2 Antiarrhythmic medicines				
Adenosine	Injection	3 mg/ml	RR	E
Atenolol	Tablet	50 mg	H	N
Propranolol	Tablet	40 mg	HC4	E
Specialist medicines				
Amlodipine	Tablet (scored)	5mg	HC3	V
Amiodarone	Sterile concentrate	50 mg/ml	NR	E
Lignocaine	Injection	20 mg/ml	RR	E
Procainamide	Tablet	250 mg	RR	N
12.3 Antihypertensive medicines				
Amlodipine	Tablet (scored)	5mg	HC3	V
Amlodipine + Losartan	Tablet	5mg+50mg	HC4	E
Atenolol	Tablet	50mg	HC4	N
Bendroflume-thiazide	Tablet	5 mg	HC3	E

MEDICINE	DS	STR	L	C
Bisoprolol	Tablet	5mg	H	E
Captopril	Tablet	25mg	HC4	E
Carvedilol	Tablet	6.25mg	H	E
Enalapril	Tablet	5 mg	HC4	E
Hydralazine	Tablet	50 mg	HC4	E
Hydralazine	Powder for injection	20 mg	HC4	V
Hydrochlorothia-zide	Tablet (scored)	25mg	HC3	V
Lisinopril	Tablet	10 mg	HC4	V
Losartan	Tablet	50 mg	HC3	V
Losartan + Hydro-chlorothiazide	Tablet	50mg + 12.5mg	HC4	E
Methyldopa	Tablet	250 mg	HC3	E
Nifedipine	Tablet	20mg	HC3	E
Propranolol	Tablet	40 mg	HC4	E
Telmisartan	Tablet	40mg	H	E
Telmisartan + Hy-drochlorothiazide	Tablet	40mg + 12.5mg	H	E
Valsartan	Tablet	80mg	H	E
Valsartan + Hydro-chlorothiazide	Tablet	80mg + 12.5mg	H	E
Specialist medicines				
Candesartan cilexetil	Tablet	8 mg	NR	N
Indapamide	Tablet	1.5mg	RR	N
Labetalol	Injection	5 mg/ml	RR	V
Nebivolol	Tablet	5mg	RR	N
Ramipril	Capsules	5mg	RR	N
12.4 Medicines used in heart failure				
Digoxin	Tablet	62.5 µg	HC4	E
Digoxin	Tablet	250 µg	HC4	E
Digoxin	Injection	250 µg/ml	H	N
Enalapril	Tablet	5 mg	HC4	V
Captopril	Tablet	25 mg	H	E
Carvedilol	Tablet	6.25 mg	H	E
Lisinopril	Tablet	10 mg	H	E
Specialist medicines				
Bisoprolol	Tablet		H	N
Dobutamine	Concentrate for IV inf	12.5 mg/ml	NR	V
Dopamine	Concentrate for IV inf	40 mg/5ml	RR	N
Epinephrine (adrenaline)	Injection	1 mg/ml	HC4	V
Norepinephrine (noradrenaline)	Injection	2 mg/ml	RR	V
12.5 Antithrombotic medicines				
12.5.1 Anti-platelet medicines				
Acetylsalicylic acid	Tablet	75 mg	HC3	E
Specialist medicines				
Clopidogrel	Tablet	75 mg	NR	N
12.6 Lipid-lowering agents				
Atorvastatin	Tablet	40 mg	H	N
Artovastatin	Tablet	20mg	HC4	E
Rosuvastatin	Tablet	10mg	HC4	E

MEDICINE	DS	STR	L	C
13. DERMATOLOGICAL MEDICINES (Topical)				
13.1 Antifungal medicines				
Benzoic acid + Salicylic acid	Ointment	6% + 3%	HC2	N
Clotrimazole	Cream	1%	HC3	E
Miconazole	Cream	2%	H	N
13.2 Anti-infective medicines				
Chlorhexidine	Cream	5%	HC4	N
Chlorhexidine	Cutaneous solution	2%	HC2	N
Framycetin	Impregnated gauze	1%	HC3	N
Iodine	Tincture	2%	HC2	N
Methylrosanilinium chloride (gentian violet)	Paint	0.50%	HC2	E
Potassium permanganate	Aqueous solution	0.01% (1:10,000)	HC4	N
Silver sulphadiazine	Cream	1%	HC2	N
13.3 Anti-inflammatory and antipruritic medicines				
Betamethasone	Cream/ointment	0.10%	HC4	N
Calamine	Lotion	15%	HC2	E
Diclofenac	Gel	1%	RR	N
Hydrocortisone	Cream/ ointment	1%	HC3	N
13.4 Medicines affecting skin differentiation and proliferation				
Benzylperoxide	Lotion / Cream	5%	HC4	N
Coal tar	Solution	5%	HC4	N
Podophyllum resin	Solution	15%	HC4	E
13.5 Scabicides and pediculicides				
Benzyl benzoate	Application	25%	HC2	N
Ivermectin	Tablet	6 mg	HC3	E
13.6 Medicines for tungiasis (Jiggers)				
NYDA (Dimethicone)	Oil	50ml	HC1	N
Benzyl benzoate	Lotion	25%	HC2	N
Potassium Permanganate	Aqueous Solution	0.05%	HC2	N
13.7 medicines for skin care for albinism				
Sun screen	lotion	Spf 30 and above	HC2	V
14 DIAGNOSTIC AGENTS				
14.1 Ophthalmic medicines				
Fluorescein sodium	Eye drops	1%	HC4E	V
Physostigmine	Eye drops	0.25%	RRE	N
Rose Bengal	Eye drops	1%	HC4E	N
14.2 Cervical cancer screening				
Acetic acid	Solution	5%	HC3	E
Iodine + potassium iodide (Lugol's iodine)	Solution	2%	HC3	E
14.3 Radiocontrast media (only specialist treatment)				
Specialist medicines				
Barium sulphate	Powder in water	75%	RR	E
Iopromide 370, non- ionic	Injection	100 ml	RR	N
Iopromide 370, non- ionic	Injection	50 ml	RR	N
Iohexol 350, non-ionic	Injection	50 ml	RR	N

MEDICINE	DS	STR	L	C
Iohexol 350, non-ionic	Injection	100 ml	RR	N
15. DISINFECTANTS AND ANTISEPTICS				
15.1 Antiseptics				
Cetrimide + Chlorhexidine	Solution	0.15% + 0.015%	HC2	N
Chlorhexidine	Solution	0.05%	HC2	N
Chlorhexidine gluconate	Solution	20%	HC2	N
Chlorhexidine gluconate	Mouthwash	0.20%	HC2	N
Hydrogen peroxide	Solution	6%	HC2	N
Povidone iodine	Solution	10% (equiv. 1% iodine)	HC3	N
Surgical spirit (ethanol)	Solution	70%	HC4	N
15.2 Disinfectants				
Alcohol hand rub	Solution	70%	HC2	E
Calcium or sodium hypochlorite	Solution	5%	HC2	E
Glutaraldehyde	Solution	2%	H	N
Ethanol	For sanitizer	96%	HC2	V
Hydrogen Peroxide	For sanitizer	3%	HC2	V
Glycerol	For sanitizer	98%	HC2	V
16. DIURETICS				
Bendroflume- thiazide	Tablet	5 mg	HC3	E
Furosemide	Injection	10 mg/ml	HC4	V
Furosemide	Tablet	40 mg	HC4	E
Spironolactone	Tablet	50 mg	H	N
Specialist medicines				
Mannitol	IV infusion	20%	RR	E
17. GASTROINTESTINAL MEDICINES				
17.1 Antacids and antiulcer medicines				
Magnesium trisilicate compound, BP	Tablet	370 mg	HC2	E
Omeprazole	Tablet	20 mg	HC3	V
Ranitidine	Injection	25 mg/ml	H	E
Specialist medicines				
Rabeprazole	Injection	20 mg	RR	N
Omeprazole	Injection	40 mg	RR	N
17.2 Antiemetic medicines				
Metoclopramide	Tablet	10 mg	HC4	E
Metoclopramide	Injection	5 mg/ml	HC4	E
Chlorpromazine	Tablet	25 mg	HC3	N
Chlorpromazine	Injection	25 mg/ml	HC3	E
Promethazine	Tablet	25 mg	HC2	E
Promethazine	Injection	25 mg/ml	HC4	V
Specialist medicines				
Domperidone	Tablet	10 mg	H	N
Domperidone	Suspension	5 mg/5ml	H	N
Ondansetron	Tablet	4 mg	RR	E
Ondansetron	Injection	2 mg/ml	RR	E
Granisetron	Injection	1 mg/ml	RR	N
17.3 Anti-inflammatory and Antihaemorrhoids medicines				
Bismuth subgallate compound BP	Suppository	320 mg	HC4	N

MEDICINE	DS	STR	L	C
17.4 Laxatives				
Bisacodyl	Paediatric suppository	5 mg	HC3	N
Bisacodyl	Tablet	5 mg	HC3	E
Lactulose	Solution	3.1-3.7 g/5 ml	H	N
Liquid paraffin	Oral emulsion	50ml	H	N
17.5 Medicines used in diarrhoea				
17.5.1 Oral rehydration				
Oral rehydration salts	Oral powder for solution	WHO formula	HCI	V
ORS/Zinc co-pack	Oral preparation		HCI	V
17.5.2 Medicines for diarrhoea				
Zinc sulphate	Tablet dispersible	20 mg	HCI	V
Codeine	Tablet	30 mg	HC4	N
Loperamide	Tablet/capsule	2mg	HC4	N
17.6 Antispasmodics				
Specialist medicines				
Hyoscine	Injection	20 mg/ml	RR	N
Propantheline	Tablet	15 mg	H	N
18 HORMONES, OTHER ENDOCRINE MEDICINES AND CONTRACEPTIVES				
18.1 Adrenal hormones and synthetic substitutes				
Dexamethasone	Tablet	0.5 mg	H	N
Dexamethasone	Injection	4 mg/ml	HC4	E
Hydrocortisone sodium succinate	Powder for injection	100 mg	H	V
Prednisolone	Tablet	5 mg	H	V
Hydrocortisone	Tablet	10mg	NR	V
Specialist medicines				
ACTH (corticotrophin)	Powder for injection	40 IU	RR	N
Cortisone acetate	Tablet	25 mg	RR	N
Leuprolide acetate	Depot injection	7.5mg suspension	NR	N
Methylpredni- solone	Powder for injection	500 mg	RR	N
Triamcinolone	Injection	40 mg/ml	RR	N
18.2 Androgens				
Specialist medicines				
Methyltestosterone		5 mg	RR	N
Testosterone enantate	Injection	250 mg/ml	RR	N
18.3 Contraceptives				
18.3.1 Oral hormonal contraceptives				
Ethinylestradiol + Levonorgestrel	Tablet	30 µg + 250µg	HC2	E
Ethinylestradiol + Levonorgestrel	Tablet	50 µg + 250µg	HC2	E
Ethinylestradiol + Norethisterone	Tablet	50 µg + 1 mg	HC2	E
Ethinylestradiol + Norgestrel	Tablet	30 µg + 300 µg	HCI	V
Levonorgestrel	Tablet	750 µg	HCI	V
Norgestrel	Tablet	0.075 mg	HC2	V
18.3.2 Injectable hormonal contraceptives				
Medroxyprogesterone acetate (DMPA-IM)	Injection (aqueous suspension)	150 mg/ml	HC2	V
Medroxyprogesterone acetate (Depot) (DMPA-SC)	Subcuta- Neousinjection	104 mg/ml	HC2	V

MEDICINE	DS	STR	L	C
18.3.3 Intrauterine devices				
Copper containing device	Copper T380A	-	HC3	V
Specialist medicines				
Levonorgestrel- releasing intrauterine system	IUD	52 mg	HC3	N
18.3.4 Barrier methods				
Condoms (male)	Latex		HC2	V
Condoms (female)	Polyurethane or nitrile		HC2	V
18.3.5 Implantable contraceptives				
Etonogestrel	Implant(1 radiopaquerod)	68 mg	HC3	V
Levonorgestrel	Implant(2 silicone rods)	150 mg	HC3	E
18.3.6 Others				
Moon beads	Beads	-	HC2	N
18.3.7 Management of IUFD				
Misoprostol + Mifepriston	Tablet (Co-pack)	200mcg+200mg	HC4	V
18.4 Oestrogens				
Specialist medicines				
Stilboestrol	Tablet	5 mg	RR	E
18.5 Insulins and medicines used for diabetes				
Biphasic isophane insulin (soluble + isophane insulin)	Injection	30%+70% in 100IU/ml	HC4	V
Bi-phasic prota-mine crystallised insulin aspart	Injection	30%+70% in 100 U/ml	H	E
Glimepiride	Tablet	2 mg	HC3	V
Insulin glargine	Injection	100 U/ml	H	V
Insulin isophane	Injection	100 IU/ml	HC4	V
Soluble Insulin	Injection	100 IU/ml	HC4	V
Insulin Aspart	Injection	100 U/ml	H	V
Metformin	Tablet	500 mg	HC3	V
Specialist medicines				
Gliclazide	Tablet	80mg	RR	E
Vildagliptin	Tablet	50mg	RR	E
Dapagliflozin	Tablet	5mg	RR	E
18.5.1 Medicines for diabetic ketoacidosis				
Sodium chloride (Normal saline)	IV infusion	0.9%	HC3	V
Glucose (Dextrose)	IV infusion	5%	HC3	V
Potassium chloride	Sterile concetrate	150 mg/ml	H	V
Enoxaparin	Injection	100mg/ml	H	N
18.5.2 Lipid-lowering agents				
Artovastatin	Tablet	20mg	HC4	E
Rosuvastatin	Tablet	10mg	HC4	E
18.5.3 Medicines for management of hypoglycemia				
Dextrose	IV infusion	50%	HC3	V
Glucagon	Injection	1mg/ml	H	E
18.6 Ovulation inducers				
Specialist medicines				
Clomifene	Tablet	50 mg	RR	N

MEDICINE	DS	STR	L	C
Bromocriptine	Tablet	2.5 mg	RR	N
18.7 Progestogens				
Specialist medicines				
Norethisterone	Tablet	5 mg	RR	E
18.8 Thyroid hormones and antithyroid medicines				
Carbimazole	Tablet	5 mg	H	V
Levothyroxine (thyroxine)	Tablet	100 µg	H	V
Specialist medicines				
Iodine (I) + potassium iodide (Lugol's)	Oral solution	5% + 10%, 130 mg total iodine /ml	RR	E
19 IMMUNOLOGICALS				
19.1 Diagnostic agents				
Tuberculin purified protein derivative (PPD)	Injection	100 IU/ml	HC4	N
19.2 Sera and immunoglobulins				
Anti-D Immunoglobulin, human	Injection	250 µg/ml	RR	V
Anti-Tetanus Immunoglobulin, human (TIG)	Injection	500 IU	HC4	E
Anti-Rabies Immunoglobulin, human (RIG)	Injection	150 IU/ml	H	
Rabies vaccine, human diploid	Injection	Purified VERO cell culture ≥2.5 IU/ 0.5ml		V
Antivenom sera polyvalent (East and Central Africa)	Injection	Mixture of 11 Bitis, Naja, Echis and Dendroaspis spp in 10 ml vial	H	E
Specialist medicines				
Normal Immuno- Globulin, Human	Injection	16%	NR	N
Anti-scorpion serum	Injection	Mixture of Androctonus, Leiurus and Buthus spp in 10 ml vial	RR	N
19.3 Vaccines				
BCG vaccine (freeze dried)	Injection	1.5 mg vial with 1.5 ml diluents	HC2	V
Diphtheria- pertussis- tetanus (DPT)	Suspension for injection	Diphtheria, Tetanus Toxoid; Bordetella Pertussis (20-dose /10 ml) vial	HC2	V
Diphtheria- pertussis-tetanus-hepatitis B- haemophilus influenzae B(DPT HepB-Hib)	Injection	2-dose vial	HC2	V
Measles vaccine, live attenuated	Powder for injection	10 x 0.5 ml dose vial + diluent	HC2	V
Pneumococcal polysaccharide conjugate vaccine (adsorbed)	Injection	0.5 ml/dose in 2 dose vial	HC2	V
Poliomyelitis vaccine, live attenuated	Oral solution	20-dose vial (2 ml)	HC2	V
Poliomyelitis vaccine, inactivated	Injection	0.5 ml	HC2	V
Rotavirus vaccine, live attenuated	Oral suspension	1.5 ml prefilled oral syringe	HC2	V
Tetanus toxoid	Injection	≥40 IU/0.5 ml	HC2	V
Anthrax vaccine	Injection	0.125 ml antigens)/0.5 ml dose	RR	V
Hepatitis B vaccine	Intradermal injection	Single-dose vial	HC4	V
Human papilloma virus vaccine (type 16 + type 18 capsid protein)	Injection	40 µg/ml + 40 µ/ml	HC2	V

MEDICINE	DS	STR	L	C
Meningococcal vaccine conjugate (A+C)	Injection	0.5 ml-vial	HC4	E
Yellow fever vaccine, live	Injection	1,000 LD50 units/0.5 ml	H	E
COVID-19 vaccines approved for use (including emergency use in Uganda)	Pfizer, Moderna, Johnson & Johnson, AstraZeneca, Sinopharm, and Sinovac.		HC2	N
20. MUSCLE RELAXANTS (PERIPHERALLY-ACTING) AND CHOLINESTERASEINHIBITORS				
Suxamethonium	Injection	50 mg/ml	HC4	V
Atracurium besilate	Injection	10 mg/ml	H	V
Rocuronium bromide	Injection	10 mg/ml	H	E
Specialist medicines				
Cisatracurium	Injection	2 mg/ml	H	N
Neostigmine	Injection	2.5 mg/ml	HC4	E
Neostigmine	Tablet	15 mg	NR	N
Pancuronium bromide	Injection	2 mg/ml	HC4	V
Vecuronium bromide	Powder For Injection	10 mg	NR	V
21. OPHTHALMOLOGICAL PREPARATIONS				
21.1 Anti-infective agents				
Chloramphenicol	Eye drops /Ointment	0.50%	HC2	E
Ciprofloxacin	Eye/ear drops	0.30%	HC3	N
Povidone-iodine	Eye drops	5%	RR	E
Tetracycline	Eye ointment	1%	HC2	V
Tobramycin	Eye drops	0.3%	RR	E
21.2 Anti-infective and anti-inflammatory agents				
Dexamethasone + Tobramycin	Topical	0.1% + 0.3%	RR	E
Hydrocortisone+ Oxytetracycline+ polymyxin B	Eye drops	1.5%+0.5% + 10,000 IU/ml	HC4	N
Neomycin + Betamethasone	Eye drops	0.5%+0.1%	RR	E
21.3 Anti-inflammatory medicines				
Betamethasone	Eye drops	0.10%	HC2	E
Dexamethasone	Eye drops	0.10%	RR	E
Hydrocortisone	Eye drops	1%	HC4	N
Prednisolone	Eye drops	0.50%	HC4	E
Sodium chromoglycate	Eye drops	2%	RR	N
21.4 Antifungal medicines				
Econazole	Eye drops	2%	RR	N
Natamycin	Eye ointment	5%	RR	N
Natamycin	Ophthalmic suspension	5%	RR	E
21.5 Antiviral medicines				
Acyclovir	Eye ointment	3%	HC4	E
Ganciclovir	Ophthalmic gel	0.15%	RR	N
21.6 Local anaesthetics				
Bupivacaine	Injection	0.50%	H	E
Hyaluronidase	Injection (powder for reconstitution)	1,500 IU	RR	E
Tetracaine (amethocaine)	Eye drops	0.50%	H	E
Tetracaine (amethocaine)	Eye drops	1%	HC4	N
Lignocaine	Injection	2%	HCI	E

MEDICINE	DS	STR	L	C
21.7 Miotics and antiglaucoma medicines				
Acetazolamide	Tablet	250 mg	RR	E
Diethyl- carbamazine	Tablet	100 mg	RR	N
Pilocarpine	Eye drops	2%	RR	N
Pilocarpine	Eye drops	4%	RR	N
Pilocarpine, intracameral	Injection	0.50%	RR	E
Sodium hyaluronate	Intraocular liquid	12 mg/ml	RR	N
Timolol maleate	Eye drops	0.25%	RR	N
Timolol maleate	Eye drops	0.50%	RR	N
Tryptan blue	Ophthalmic solution	0.06%	RR	N
21.8 Mydriatics				
Atropine	Eye drops	1%	HC4	N
Cyclopentolate	Eye drops	1%	HC4	N
Phenylephrine	Eye drops	10%	HC4	N
21.9 Anti-metabolites				
Fluorouracil	Injection	50 mg/ml	RR	N
Mitomycin	Powder for injection	20 mg	RR	N
21.10 Lubricants				
Hydroxyethylcellu- lose (artificial tears)	Eye drops	0.44%	RR	E
21.11 Astringents				
Zinc sulphate	Eye Drops	0.20%	RR	N
22. OXYTOCICS AND ANTI - OXYTOCICS				
22.1 Oxytocics				
Misoprostol	Tablet	200 µg	HC2	V
Misoprostol	Tablet	20 µg	HC2	V
Oxytocin	Injection	10 IU/ml	HC3	V
Carbetocin (heat stable)	Injection IV/IM	1000mcg	HC3	V
22.2 Anti-oxytocics (tocolytics)				
Nifedipine	Tablet (sub- lingual)	10 mg	HC3	E
Salbutamol	Injection	0.5 mg/ml	H	N
23. PERITONEAL AND HAEMODIALYSIS SOLUTIONS				
Specialist medicines				
Peritoneal dialysis solution	Solution	2.5% (glucose)	RR	E
Peritoneal dialysis solution	Solution	4.25% (glucose)	RR	E
Peritoneal dialysis solution	Solution	1.5% (glucose)	RR	E
Liquid concentrate for haemodialysis	Liquid	32 mEq/L bicarbonate +5 mEq/L acetate	R	E
Liquid concentrate for haemodialysis (bicarbonate + acetate)	Liquid	33 mEq/l + 4 mEq/l	RR	E
24. MEDICINES FOR MENTAL AND BEHAVIORAL DISORDERS				
24.1 Medicines used in Schizophrenia and other psychotic disorders				
Benzhexol	Tablet	2 mg	HC2	N
Chlorpromazine	Tablet	100 mg	HC2	N
Chlorpromazine	Tablet	25 mg	HC2	N
Chlorpromazine	Injection	25 mg/ml	HC4	E
Diazepam	Injection	5 mg/ml	HC4	V

MEDICINE	DS	STR	L	C
Diazepam	Rectal	2 mg/ml	HC2	V
Fluphenazine decanoate	Injection (oily)	25 mg/ml	HC4	E
Haloperidol	Tablet	5 mg	HC4	E
Haloperidol	Tablet	10 mg	HC4	E
Haloperidol	Injection	5 mg/ml	HC4	V
Olanzapine	Tablet	10 mg	HC4	V
Procyclidine	Tablet	5mg	RR	E
Promethazine	Injection	25 mg/ml	HC4	V
Risperidone	Tablet (scored)	2 mg	HC4	E
Specialist medicines				
Clozapine	Tablet	25mg	RR	E
Clozapine	Tablet	100mg	RR	E
Haloperidol decanoate	Injection (oily)	100 mg/ml	RR	V
Quetiapine	Tablet	100 mg	NR	E
Zuclopenthixol decanoate	Injection (oily)	200 mg/ml	RR	E
24.2 Medicines used in mood disorders				
24.2.1 Medicines used in depressive and or anxiety disorders				
Amitriptyline	Tablet	25 mg	HC4	V
Fluoxetine	Capsule	20 mg	HC3	V
Diazepam	Tablet (scored)	5 mg	HC2	V
Specialist medicines				
Venlafaxine	Tablet (scored)	75mg	H	E
Bupropion hydrochloride	Tablet	150mg	RR	E
Escitalopram	Tablet	10mg	H	V
Clonazepam	Tablet (scored)	2 mg	RR	E
Sertraline	Tablet Filmcoated	50mg	H	E
Fluoxetine	Tablet (scored)	10 mg	RR	V
Alprazolam	Tablet	0.5 mg	RR	N
Pregabalin	Capsule	75mg	RR	N
24.2.2 Medicines used in bipolar disorders				
Olanzapine	Tablet	10mg	HC4	V
Carbamazepine	Tablet chewable	100 mg	H	V
Carbamazepine	Tablet	200 mg	HC2	V
Specialist medicines				
Lithium carbonate	Tablet	400 mg	RR	E
Lamotrigen	Tablet	100 mg	RR	N
Sodium Valproate	Tablet	500 mg	H	E
24.2.3 Medicines used in obsessive compulsive disorder				
Clomipramine	Capsules	25mg	RR	V
24.3 Medicines for sleep wake disorders				
Specialist Medicines				
Modafinil	Tablet	200mg	RR	E
Pregabalin	Capsule	75mg	RR	E
Zapelon	Tablet	5mg	RR	E
Zolpidem	Tablet	5mg	RR	E
24.4 Medicines for disorders due to psychoactive substance use				
Naloxone	Injection	0.4mg/ml	HC3	V

MEDICINE	DS	STR	L	C
Thiamine	Injection	100mg/ml	HC3	E
Thiamine	Tablet	100mg	HC3	E
Specialist medicines				
Naltrexone	Tablet (scored)	50 mg	RR	E
Buprenorphine	Tablet	400 µg	RR	E
Buprenorphine	Tablet (Sublingual)	2 mg	RR	E
Buprenorphine + Naloxone	Tablet (Sublingual)	8 mg + 2 mg	RR	E
Carbamazepine	Tablet	200 mg	HC3	V
Carbamazepine	Tablet (chewable)	100 mg	HC3	V
Clonidine	Tablet	100 µg	RR	E
Diazepam	Injection	5 mg/ml	HC4	V
Diazepam	Suppository	2.5 mg	HC2	V
Diazepam	Rectal tube	2 mg/ml	HC2	V
Ethosuximide	Capsules	250 mg	RR	E
Magnesium sulphate	Injection	500 mg/ml	HC3	V
Methodone	Oral liquid	10mg/5ml	RR	E
Nicotine replacementtherapy	Patch	7 mg/24 hrs	RR	N
Nicotine replacement therapy	Gum	2 mg	RR	N
Phenobarbital	Tablet	30 mg	HC2	V
Phenobarbital	Injection	200 mg/ml	HC4	V
Phenytoin	Injection	50 mg/ml	RR	V
Phenytoin	Tablet	100 mg	HC4	V
Phenytoin	Tablet	100 mg	HC4	V
Sodium valproate	Tablet (EC)	500 mg	HC4	E
Sodium valproate	Tablet	300 mg	RR	E
Sodium valproate	Tablet (crushable)	100 mg	HC4	E
Flumazenil	Injection	0.1 mg/ml	RR	N
Lamotrigine	Tablet	50 mg	RR	E
24.5 Anti-dementia medicines				
Donepezil	Tablet	5mg	RR	E
Memantine	Tablet	5mg	RR	E
24.6 Tardive Dyskinesia and other extrapyramidal side effects				
Tetrabenazine	Tablet	25mg	RR	E
24.7 Medicines used for disruptive, impulse control and conduct disorder				
Methylphenidate	Tablet	5mg	RR	E
25. MEDICINES FOR CHRONIC RESPIRATORY DISEASES				
25.1 Medicines for asthma and COPD				
Beclomethasone	Aerosol inhalation	100 µg/metered dose inhalation	HC3	V
Budesonide	Aerosol in-halation	200 µg/metered dose inhalation	H	E
Budesonide + For-moterol	Aerosol in-halation	200µg + 6µg or 160/4.5 µg per dose	H	V
Hydrocortisone sodium succinate	Powder for injection	100 mg	HC4	V
Magnesium sul-phate	Injection	0.5mg/ml	HC4	V
Monteleukast	Tablet	4 mg	HC3	E
Monteleukast	Tablet	5mg	HC3	E
Prednisolone	Tablet	5 mg	HC3	V

MEDICINE	DS	STR	L	C
Salbutamol	Aerosol in-halation	100 µg/metered inhalation	HC3	V
Salbutamol/Ipratropium	Nebuliser solution	2.5mg/500mcg/2.5ml	HC4	V
Tiotropium bromide	Aerosol in-halation	9mcg/metered dose inhaler	HC4	V
25.2 Medicines for COPD - Antibiotics				
Amoxicillin-Clavulanic acid	Tablet	600mg+25mg	HC4	V
Cefuroxime	Capsule	250mg	H	E
Azithromycin	Tablet	500mg	H	N
Clarithromycin	Capsule	500mg	H	N
Doxycycline	Capsule	100mg	HC3	V
26. SOLUTIONS CORRECTING WATER, ELECTROLYTE AND ACID-BASE DISTURBANCES				
26.1 Oral				
Oral rehydration salts	Powder for 1 Litre	WHO formula	HC2 (HC1)	V
ReSoMal	Powder for 1 Litre	WHO formula	H	E
ORS+ zinc	prepack			
26.2 Parenteral				
Calcium chloride (dihydrate)	Injection	10%	RR	N
Calcium gluconate	Injection	10%	RR	E
Darrow's solution	Injection	½ strength in 5% glucose	HC3	V
Glucose (Dextrose)	IV infusion	5%	HC3	V
Glucose (Dextrose)	IV infusion	50%	HC3	V
Potassium chloride	Sterile concentrate	150 mg/ml	H	V
Sodium bicarbonate	IV injection	8.4%	RR	E
Sodium chloride (Normal saline)	IV infusion 500ml	0.9%	HC3	V
Sodium chloride (Normal saline)	IV infusion 100ml	0.9%	HC3	V
Sodium lactate compound (Hartmann's/Ringer's lactate solution)	IV infusion	BP formula	HC3	E
26.3 Miscellaneous				
Water for injection	Injection	10 ml	HC2	V
27. VITAMINS AND MINERALS				
Calcium lactate	Tablet	300 mg	HC3	N
Multivitamin	Tablet	BPC 73	HC2 (HC1)	N
Potassium chloride	Tablet	600 mg	H	E
Pyridoxine (vitamin B6)	Tablet	25 mg	HC3	E
Retinol (vitamin A)	Capsule	100,000 IU	HC2	E
Retinol (vitamin A)	Capsule	200,000 IU	HC2	V
Thiamine	Tablet	100 mg	HC4	E
Thiamine	Injection	100 mg/ml	H	E
Vitamin B compound (B3+B2+B1)	Tablet	15 mg + 1 mg + 1 mg	RR	V
Vitamin B compound (strong) (B5+B6+B2+B1)	Tablet	20 mg + 2 mg + 2 mg + 5mg	HC4	N
Vitamin C (Ascorbic acid)	Intravenous	500mg/5ml	H	N
Selenium +Moringa oleifera	Veggie capsules	200mcg +500mcg	HC3	
Specialist medicines				
Ergocalciferol (Vitamin D2)	Tablet	250 µg (10,000 IU)	NR	E
Hydroxycobalamin (vitamin B12)	Injection	1 mg/ml	H	E

MEDICINE	DS	STR	L	C
28. EAR, NOSE AND THROAT MEDICINES				
28.1 Ear preparations				
Betamethasone	Eye/ear drops	0.10%	HC3	E
Chloramphenicol	Ear drops	5%	HC2	E
Ciprofloxacin	Ear drops	0.3%	HC3	N
Clotrimazole	Solution	1%	HC4	N
Gentamicin	Ear drops	0.30%	HC4	V
28.2 Nasal preparations				
Beclomethasone	Nasal spray	50µg/metered spray	H	N
Ephedrine	Nasal drops	1%	H	E
Lignocaine + epinephrine (adrenaline)	Nasal drops	2% + 1:100,000	RR	N
Xylometazoline	Paediatric nasal drops	0.05%	H	E
Xylometazoline	Nasal drops	0.10%	H	E
28.3 Oropharyngeal preparations				
Chlorhexidine	Solution	0.2%	HC2	N
Hydrogen peroxide	Solution	6%	HC2	N
Miconazole	Oral gel	24 mg/ml (20 mg/g)	HC4	N
Povidone-iodine	Mouthwash	1%	HC3	N
Triamcinolone acetonide	Oral paste	0.10%	RR	N
29. SPECIFIC MEDICINES FOR NEONATAL CARE				
29.1 Medicines administered to the neonate				
Chlorhexidine di-gluconate	Gel	7.1% (equivalent to 4% chlorhexidine)	HC1	V
Tetracycline	Eye ointment	1%	HC2	V
Vitamin K	Injection	1 mg/ml	HC3	V
Caffeine citrate	oral & IV		H	V
Chlorhexidine gluconate	antiseptic cream		HC3	V
Glucose (Dextrose)	IV fluid	10%	HC4	V
Specialist medicines				
Surfactant			RR	
Breast milk fortifier			RR	
29.2 Medicines administered to the mother				
Dexamethasone	Injection	4 mg/ml	HC4	V
30. MEDICINES FOR DISEASES OF JOINTS				
30.2 Medicines used to treat gout				
Allopurinol	Tablet	100 mg	H	E
Colchicine	Tablet	500 µg	H	E
30.2 Disease-modifying agents used in rheumatoid disorders (DMARDs)				
Chloroquine sulphate or phosphate	Tablet	150 mg	RR	E
Specialist medicines				

MEDICINE	DS	STR	L	C
Methotrexate	Tablet	2.5 mg	RR	E
Methotrexate	Injection	50 mg/ml	NR	E
31. MEDICINES FOR NEUROSURGICAL USE				
31.1 For cerebral metabolism/perfusion				
Specialist medicines				
Cerebrolysin	Injection	5 ml	NR	E
Piracetam	Tablet	800 mg	NR	E
Piracetam	Injection	125 mg/ml	NR	E
31.2 Medicines for Parkinson disease				
Levodopa-cabidopa	Tablet	10/100mg	RR	V
32. NUTRITION				
Formula 75	Powder	75 kCal + 0.9g protein per 100ml	H	V
Formula 100	Powder	100 kCal + 2.9g protein per 100ml	H	E
Ready to use therapeutic feeds (RUTF)	Paste	30% full fat milk, 28% sugar, 15% vegetable oil, 15% peanut butter, 1.6% mineral vitamin mix	HCI	E
Combined mineral vitamin mix	Powder	Ka, Mg + other essential minerals	HC4	E
Specialist medicines				
Amino acids (paediatric)	Injection	10%	NR	N
Fat emulsion	Injection (emulsion)	20%	NR	N
Starch emulsion	Injection (emulsion)	80% oil in water	NR	N

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
1. ADMINISTRATION SETS, CANNULAS, NEEDLES AND SYRINGES			
1.1 Administration sets			
1.1.1 Airway guedel			
Airway guedel, autoclavable	00	HC4	V
Airway guedel, autoclavable	0	HC4	V
Airway guedel, autoclavable	1	HC4	V
Airway guedel, autoclavable	2	HC4	V
Airway guedel, autoclavable	3	HC4	V
Airway guedel, autoclavable	4	HC4	V
1.1.2 Infusion sets/giving sets			
Blood giving set, disposable	Standard	HC4	V
Blood transfusion set, Y-site	10 drops/ml	HC4	V
Set, infusion + Needle 21G	Adult, 15-20 drops/ml	HC3	V
Set, infusion, Burette	Paediatric, 150 ml, 60ml drops	HC3	V
Set, infusion, scalp vein, with butterfly needle	0.5 mm, 25G	HC4	V
1.2 Cannulas			
Cannula IV with inj port and wings (grey)	16G, 1.6 mm x 45 mm	HC3	E
Cannula IV with inj port and wings (green)	18G, 1.2 mm x 45 mm	HC3	V
Cannula IV with inj port and wings (pink)	20G, 0.8 mm x 32 mm	HC3	N
Cannula IV with inj port and wings (blue)	22G, 0.7 mm x 26 mm	HC3	E
Cannula IV with inj port and wings (yellow)	24G, 0.55 mm x 19 mm	HC4	V
Nasal oxygen cannula, twin	Adult, 200 cm	HC4	V
Nasal oxygen cannula, twin	Infant, 150 cm	HC4	V
Nasal oxygen cannula, twin	Paediatric, 160 cm	HC4	V
1.3 Needles			
Needle, for insulin device	Depends on device	HC4	E
Needle, hypodermic, luer	0.45, 25G x 13 mm	HC4	E
Needle, lumbar puncture	25G x 90 mm	HC4	V
1.4 Syringes			
Syringe AD +needle, disposable detached	2 ml, needle 23 G	HC3	V
Syringe AD +needle, disposable detached	5 ml, needle 21 G	HC3	V
Syringe AD + needle, disposable detached	10 ml, needle 21 G	HC3	V
Syringe disposable, hypodermic, luer	Insulin 100 IU/1 ml	HC4	V
Syringe, disposable, luer, without needle	20 ml	HC4	E
Syringe, feeding/ irrigation	50-60 ml	HC4	E
2. ANTISEPTICS, DETERGENTS AND DISINFECTANTS			
Alcohol, not denatured	95%, 20 L	HC4	E
Alcohol hand scrub	Pocket size	HC2	N
Alcohol swab	70%	HC2	V
Chlorhexidine gluconate scrub, with dispenser	20%	HC2	V
Detergent handwash soap, powder	5 kg	HC2	E
Detergent liquid, perfumed	5 L	HC4	N
Formaldehyde solution (formalin)	36-38%, 5 L	HC4	V
Hydrogen peroxide solution	6%, 200 mL	HC2	E
Liquid soap detergent, for hospital use	20 L	HC2	V
Polyvidone-iodine solution	10%	HC4	E
Sodium hypochlorite	6%	HC2	V

ITEM DESCRIPTION	SPECIFICATION	L	C
3. BANDAGES AND DRESSINGS			
3.1 Bandage dressings			
Adhesive strips	76 mm x 25 m	HC2	N
Bandage cotton W.O.W. hydrophilic	75 mm x 4 m	HC2	N
Bandage, triangular, cotton	130 x 90 x 90 cm	HC3	N
Bandage, crepe	4"	H	V
Bandage, crepe	6"	HC4	V
Bandage, elastic, crepe	7.5 cm x 4.5 m stretched	HC2	E
Bandage, elastic, crepe	10 cm x 4.5 m stretched	HC2	E
Bandage, gauze, W.O.W	7.5 cm x 5 m	HC3	N
Bandage, gauze, W.O.W	10 cm x 5 m	HC4	N
Bandage gauze, hydrophilic, BP	90 cm x 91 m	HC2	V
Bandage gauze, hydrophilic, hospital quality, X-ray detectable	90 cm x 50 m	HC4	E
Gauze, absorbent, ribbon	25 mm x 12 m	HC4	E
3.2 Cotton wool			
Wool, cotton, hospital quality	500 g	HC2	V
3.3 Gauze dressings			
Gauze pads, WOW, non-sterile	10 x 10 cm	HC3	E
Gauze swabs 19 x 15, WOW, sterile	12 ply, 10 x 10 cm	HC4	E
Gauze swabs, abdominal, WOW, non- Sterile	12 ply, 30 x 50 cm	HC4	V
Gauze, paraffin, medicated, sterile, individual wrap	10 x 10 cm	HC4	E
Lap sponge, prewashed, sterile	12 ply, 30 x 30 cm	H	E
3.4 PoP and Undercast dressings			
Plaster of paris (POP) roll	6"	HC4	V
Plaster of paris (POP) roll	8"	HC4	V
Plaster of paris (POP) roll	10 cm x 2.7 m	H	E
Plaster of paris (POP) roll	15 cm x 2.7 m	H	E
Undercast padding, synthetic cotton	7.5 cm x 3 m (2.7 m)	H	E
Undercast padding, synthetic cotton	10 cm x 3 m (2.7 m)	H	E
3.5 Tape adhesive			
Adhesive tape, micropore, non-woven base	2.5 cm x 5 m	H	E
Plaster, adhesive elastic	10 cm x 4 m	HC4	E
Plaster, adhesive, zinc oxide	7.5 cm x 5 m	HC2	N
Plaster, adhesive, zinc oxide	2.5 cm x 5 m	HC2	E
3.6 Traction kits			
Traction kit	Adult	HC4	E
Traction kit	Paediatric	HC4	E
3.7 Wound dressings			
Wound dressing sterile	150 mm x 100 mm	HC3	E
Wound dressing sterile	200 mm x 100 mm	HC3	E
Wound dressing sterile	250 mm x 100 mm	HC3	N
4. CATHETERS AND TUBES			
4.1 Catheters			
4.1.1 Condom/ penile catheter			
Catheter, condom	Small, 25 mm	HC4	E
Catheter, condom	Medium, 30 mm	HC4	E

ITEM DESCRIPTION	SPECIFICATION	L	C
Catheter, condom	Large, 35 mm	HC4	E
4.1.2 Catheter, urethral foley, 2-way			
Catheter foley, balloon	FG8, 2-way, 3-5 ml	HC4	E
Catheter foley, balloon	FG10, 2-way, 3-5 ml	HC4	N
Catheter foley, balloon	FG12, 2-way, 10-30 ml	HC4	E
Catheter foley, balloon	FG14, 2-way, 10-30 ml	HC4	V
Catheter foley, balloon	FG16, 2-way, 10-30 ml	HC4	V
Catheter foley, balloon	FG18, 2-way, 10-30 ml	HC4	V
Catheter foley, balloon	FG20, 2-way, 10-30 ml	HC4	E
Catheter foley, balloon	FG22, 2-way, 10-30 ml	HC4	E
Catheter foley, balloon	FG24, 2-way, 10-30 ml	HC4	E
Catheter, urethral	Female, metal	HC3	E
4.1.3 Catheter, foley, 3-way, funnel & valve, 300mm			
Catheter foley, balloon	FG16, 3-way, 10-30 ml	HC4	E
Catheter foley, balloon	FG18, 3-way, 10-30 ml	HC4	E
Catheter foley, balloon	FG20, 3-way, 10-30 ml	HC4	E
Catheter foley, balloon	FG22, 3-way, 10-30 ml	HC4	E
Catheter foley, balloon	FG24, 3-way, 10-30 ml	HC4	E
4.1.4 Catheter, nelaton for urethral use, funnel 2-eye			
Catheter nelaton, disposable	FG14, 40 cm long	HC4	N
Catheter nelaton, disposable	FG18, 40 cm long	HC4	N
4.1.5 Catheter suction, lateral eye, funnel + control valve			
Suction catheter, disposable	FG6, 52 cm long	HC4	E
Suction catheter, disposable	FG8, 52 cm long	HC4	V
Suction catheter, disposable	FG10, 52 cm long	HC4	E
Suction catheter, disposable	FG12, 52 cm long	HC4	V
Suction catheter, disposable	FG14, 52 cm long	HC4	E
Suction catheter, disposable	FG16, 52 cm long	HC4	V
4.1.6 Catheter, stopper			
Catheter stopper	All sizes	HC4	N
4.2 Tubes			
4.2.1 Tubes, endotracheal, plastic non-cuffed			
Endotracheal tube, oral/nasal, plain non-cuffed	2.5 mm	HC4	N
Endotracheal tube oral/nasal, plain non-cuffed	3.0 mm	HC4	E
Endotracheal tube, oral/nasal, plain non-cuffed	3.5 mm	HC4	N
Endotracheal tube, oral/nasal, plain non-cuffed	4.0 mm	HC4	N
Endotracheal tube, oral/nasal, plain non-cuffed	4.5 mm	HC4	E
Endotracheal tube, oral/nasal, plain non-cuffed	5.0 mm	HC4	N
Endotracheal tube, oral/nasal, plain non-cuffed	5.5 mm	HC4	E
4.2.2 Tubes, endotracheal, plastic, cuffed			
Endotracheal tube, oral/nasal, Plain, cuffed	6.0 mm	HC4	E
Endotracheal tube, oral/nasal plain, cuffed	6.5 mm	HC4	V
Endotracheal tube, oral/nasal, plain cuffed	7.0 mm	HC4	E
Endotracheal tube, oral/nasal, plain cuffed	7.5 mm	HC4	V
Endotracheal tube, oral/nasal, plain cuffed	8.0 mm	HC4	E
Endotracheal tube, oral/nasal, plain cuffed	8.5 mm	HC4	N
4.2.3 Tube, feeding, infants			

ITEM DESCRIPTION	SPECIFICATION	L	C
Nasogastric/feeding tube, for premature	FG5 x 50cm long	HC4	V
Nasogastric/feeding tube, for premature	FG6 x 50cm long	HC4	E
Nasogastric/feeding tube, for neonate	FG8 x 50 cm long	HC4	V
Nasogastric/feeding tube, for child	FG10 x 50 cm long	HC4	E
4.2.4 Tube, stomach/feeding, Ryle/Levin (intra-nasal), graduated tip, metal tip4-holes			
Nasogastric tube Ryle/Levin, adults	FG14	HC4	E
Nasogastric tube Ryle/Levin, adults	FG16, 1300 mm	HC4	V
4.2.5 Tube, rectal			
Rectal tube	40 cm long, 8.7 mm, CH26	HC4	V
4.2.6 Tube, tracheostomy			
Tracheostomy tube set	Size 2.5	RR	V
Tracheostomy tube set	Size 3.0	RR	V
Tracheostomy tube set	Size 4.0	RR	V
Tracheostomy tube set	Size 5.0	RR	V
Tracheostomy tube set	Size 6.0	RR	V
Tracheostomy tube set	Size 7.0	RR	V
Tracheostomy tube with cuff	Size 7.5 (30FG)	HC4	V
Tracheostomy tube with cuff	Size 8 (32FG)	H	V
Tracheostomy tube with cuff	Size 10 (FG)	H	V
4.2.7 Tube, thorax drainage			
Thorax drainage tube	6 mm, (CH18)	H	V
Thorax drainage tube	8 mm, (CH24)	H	V
Thorax drainage tube	8.7 mm, (CH26)	H	E
Thorax drainage tube	10 mm, (CH30)	H	V
Thorax drainage tube	12 mm, (CH36)	H	V
Thorax drainage bottle	1000 ml	H	V
Thorax drainage system, stand + 2 bottles	5 L	H	E
5. GLOVES			
5.1 Examination gloves			
Examination gloves, latex, on-sterile	Medium	HC2	N
Examination gloves, latex, on-sterile	Large	HC2	N
Gloves, ambidextrose, nitrile	Large	HC4	E
5.2 Surgical gloves			
Gynaecological gloves	Size 7.5 (Medium)	HC2	E
ITEM DESCRIPTION	SPECIFICATION	L	C
Gynaecological gloves	Size 8	HC2	N
Gynaecological gloves	Size 8.5 (Large)	HC2	N
Orthopaedics gloves	Size 7.5	RR	E
Orthopaedics gloves	Size 8.5	RR	E
Surgeon gloves, sterile	Size 6.5	HC4	N
Surgeon gloves, sterile	Size 7	HC3	E
Surgeon gloves, sterile	Size 7.5 (medium)	HC2	V
Surgeon gloves, sterile	Size 8	HC3	E
Surgeon gloves, sterile	Size 8.5	HC4	N
5.3 Other Gloves			
Heavy duty gloves, household	Size 7.5 (medium)	HC2	E

ITEM DESCRIPTION	SPECIFICATION	L	C
6. LIGATURES, SUTURE MATERIALS AND SURGICALS			
6.1 Sutures			
6.1.1 Nylon suture			
Suture, thread M3.5 (0)	100 cm, needle 40 mm ½ circle rev.cut	HC3	E
Suture nylon, thread M4 (1)	100 cm, needle 50 mm ½ circle rev.cut	HC3	E
Suture nylon, thread M4 (1)	100 cm, needle 50 mm ½ circle taper heavy	HC4	N
Suture nylon, thread M5 (2)	100 cm, needle 40 mm ½ circle rev.cut	HC3	E
Suture nylon, thread M5 (2)	100 cm, needle 90 mm 3/8 circle convent.cut	HC4	N
Suture nylon, thread M3 (2/0)	45 cm, needle 26 mm 3/8 circle rev.cut	HC3	V
Suture nylon, thread M2 (3/0)	45 cm, needle 24 mm 3/8 circle rev.cut	HC3	E
6.1.2 Polyglycolic acid (PGA) suture			
Polyglycolic acid, thread M3.5 (0)	90 cm, needle 40 mm ½ circle rev. cut	H	N
Polyglycolic acid, thread M3.5 (0)	90 cm, needle 40 mm ½ circle taper heavy	HC4	E
Polyglycolic acid, thread M4 (1)	90 cm, needle 40 mm ½ circle rev. cut	H	E
Polyglycolic acid, thread M4 (1)	90 cm, needle 40 mm ½ circle taper heavy	HC4	V
Polyglycolic acid, thread M4 (1)	90 cm, needle 40 mm ½ circle round body	H	N
Polyglycolic acid, thread M5 (2)	75 cm, needle 40 mm ½ circle taper heavy	HC4	V
Polyglycolic acid, thread M5 (2)	90 cm, needle 40 mm ½ circle round body	H	N
Polyglycolic acid, thread M5 (2)	90 cm, needle 40 mm ½ circle rev. cut	HC4	E
Polyglycolic acid, thread M5 (2)	90 cm, needle 36 mm ½ circle rev. cut	H	E
Polyglycolic acid, thread M3 (2-0)	90 cm, needle 40 mm ½ circle round body	H	N
Polyglycolic acid, thread M3 (2/0)	75 cm, needle 30 mm ½ circle taper fine	HC4	V
Polyglycolic acid, thread M2 (3/0)	45 cm, needle 19 mm 3/8 circle rev.cut	H	E
Polyglycolic acid, thread M2 (3/0)	70 cm, needle 30 mm ½ circle taper fine	H	E
Polyglycolic acid, thread M2 (3-0)	70 cm, needle 20 mm ½ circle round body	H	N
Polyglycolic acid, thread M1.5 (4/0)	45 cm, needle 19 mm 3/8 circle rev. cut	H	N
Polyglycolic acid, thread M1.5 (4/0)	75 cm, needle 20 mm ½ circle taper fine	H	E
Polyglycolic acid, thread M1 (5/0)	45 cm, needle 16 mm 3/8 circle rev. cut	H	N
Polyglycolic acid, thread M1 (5/0)	75 cm, needle 16 mm 1/2c taper fine 6	H	N
Polyglycolic acid, thread M0.7 (6/0)	45 cm, needle 12 mm 3/8 circle rev.cut	H	N
6.1.3 Silk suture			
Suture silk black braided M3.5 (0)	180 cm tie, no needle	H	E
Suture silk black braided M3 (2/0)	180 cm tie, no needle	H	E
Suture silk, thread M3.5 (0)	75 cm, needle 30 mm ½ circle taper fine	H	E
Suture silk, thread M3.5 (0)	100 cm, needle 90 mm 3/8 circle conv. cut	HC3	E
Suture silk, thread M4 (1)	75 cm, needle 34 mm ½ circle taper fine	HC3	V
Suture silk, thread M4 (1)	100 cm, needle 90 mm 3/8 circle conv. cut	HC3	E
Suture silk, thread M5 (2)	100 cm, needle 50 mm ½ circle rev.cut	HC3	E

ITEM DESCRIPTION	SPECIFICATION	L	C
Suture silk, thread M3 (2/0)	45 cm, needle 26 mm 3/8 circle rev.cut	HC3	E
Suture silk, thread M3 (2/0)	75 cm, needle 30 mm 1/2 circle taper fine	H	E
Suture silk, thread M2 (3/0)	75 cm, needle 30 mm 1/2 circle taper fine	HC3	E
Suture silk, thread M1.5 (4/0)	45 cm, needle 19 mm 3/8 circle rev.cut	H	E
Suture silk, thread M1 (5/0)	75 cm, needle 16 mm 3/8 circle cutting	H	E
6.2 Haemostats and Colostomy Bags			
Bone wax W810 t	Sachets of 2.5 g	RR	V
Absorb. Haemostat 1901 gb surgical	5 x 35 cm	RR	E
Absorb. Haemostat 1902 gb surgical	10 x 20 cm	H	E
Colostomy bag, closed, size 2	Diameter 30 mm, 200 x 140 m	H	N
Colostomy bag, closed, size 3	Diameter 30 mm, 250 x 150 m	H	N
7. PROTECTIVES			
7.1 Aprons			
Apron plastic disposable, opaque with neck band	90 x 100 cm	HC2	E
Apron plastified linen, Heavy duty	90 x 100 cm	HC2	E
Apron protective, disposable	90 x 100 cm, 50 pieces	H	E
Mackintosh plastic (apron)	Per 1m	HC2	E
7.2 Bins, waste			
Waste bins, plastic	Black	HC2	V
Waste bins, plastic	Brown	HC4	E
Waste bins, plastic	Red	HC4	V
Waste bins, plastic	Yellow	HC2	V
7.3 Bin liners/ Biohazard bags			
Bin liners	Black, pack of 100	HC4	E
Bin liners	Brown, pack of 100	HC4	E
Bin liners	Red, pack of 100	HC4	E
Bin liners	Yellow, pack of 100	HC4	E
Bin liners, 12 L	Black, pack of 100	HC2	V
Bin liners, 12 L	Brown, pack of 100	HC2	V
Bin liners, 12 L	Red, pack of 100	HC2	V
Bin liners, 12 L	Yellow, pack of 100	HC2	V
7.4 Boots and clogs			
Boots surgeon, theatre white, antistatic soles	Size 7	HC4	E
Boots surgeon, theatre white, antistatic soles	Size 8	HC4	E
Boots surgeon, theatre white, antistatic soles	Size 9	HC4	E
Boots surgeon, theatre white, antistatic soles	Size 10	HC4	E
Boots surgeon, theatre white, antistatic soles	Size 11	HC4	E
Boots surgeon, theatre white, antistatic soles	Size 12	HC4	E
Boots, working, ordinary gum, green	Size 7	HC2	N
Boots, working, ordinary gum, green	Size 8	HC2	N
Boots, working, ordinary gum, green	Size 9	HC2	N
Boots, working, ordinary gum, green	Size 10	HC2	N
Clogs, theatre white, antistatic soles	Size 7	H	E
Clogs, theatre white, antistatic soles	Size 8	H	E
Clogs, theatre white, antistatic soles	Size 9	H	E
Clogs, theatre white, antistatic soles	Size 10	H	E
7.5 Caps, masks and other clothing			

ITEM DESCRIPTION	SPECIFICATION	L	C
Cap, surgeon, head and neck, disposable, non- woven	62 x 27 cm	HC4	E
Cap, theatre, green cotton, reusable	62 x 27 cm	HC4	E
Mackintosh rubber (sheeting)	Brown, per 1 m	HC4	E
Mask theatre, reusable	Cotton	HC4	E
Mask theatre, disposable	2-ply	HC4	E
Material for theatre gown	Green	HC4	E
Material for theatre gown	Navy blue	HC4	N
Material for theatre gown	Sky blue	HC4	N
7.5.1 Covid 19 protective gear			
Respirators		HC2	N
Goggles		HC2	N
Plexiglass Screens		HC2	N
Face shields		HC2	N
PPE Coveralls,		HC2	N
Face Mask N95		HC2	N
Face Mask KN95		HC2	N
Scrub suit, green cotton, theatre	Medium	HC4	N
Scrub suit, green cotton, theatre	Large	HC4	N
7.6 Safety box			
Safety box for syringes & needle, disposable	Disposable	HC2	V
8. SURGICAL INSTRUMENTS			
8.1 Forceps			
8.1.1 Artery: straight & curved / tooth & non-tooth			
Forceps, artery, halstead-mosq. Curved, non-tooth	125 mm	HC2	V
Forceps, artery, halstead-mosq. Straight, non-tooth	125 mm	HC2	V
Forceps, artery, halstead-mosq. Curved	1 in 2 teeth, 125 mm	HC3	E
Forceps, artery, halstead-mosq. Straight	1 in 2 teeth, 125mm	HC3	N
Forceps, artery, kelly curved, non-tooth	140mm,	HC4	E
Forceps, artery, kelly straight, non-tooth	140mm	HC4	N
Forceps, artery, kocher, curved	1 in 2 teeth, 150 mm	HC3	E
Forceps, artery, kocher, straight	1 in 2 teeth, 160 mm	HC3	E
Forceps, artery, pean, straight, non-tooth	140 mm	HC4	E
Forceps, artery, pean, straight, non-tooth	260 mm	H	N
Forceps, artery, roch.- pean, straight, non- tooth	200 mm	HC4	E
Forceps, artery, spencer-wells, curved, non-tooth	175 mm	H	N
Forceps, artery, spencer-wells, straight, non-tooth	175 mm	H	N
8.1.2 Dissecting: straight & curved / tooth & non-tooth			
Forceps, dissecting standard, curved, non- tooth	160 mm	HC4	E
Forceps, dissecting standard, curved	1 in 2 teeth, 145 mm	H	N
Forceps, dissecting standard, straight, non- tooth	130 mm	HC3	E
Forceps, dissecting standard, straight, non- tooth	160 mm	HC4	E
Forceps, dissecting standard, straight, non- tooth	250 mm	H	N
Forceps, dissecting, gilles, straight, non- tooth	150 mm	H	E
Forceps, dissecting, gilles, straight	1 in 2 teeth, 150 mm	HC3	E
Forceps, dissecting, mcindoe, straight, fine point	150 mm	H	N
8.1.3 For sponge handling, tissue grasping			
Forceps, sponge/dressing, foerster, smooth oblique jaws	240 mm	HC4	V

ITEM DESCRIPTION	SPECIFICATION	L	C
Forceps, sponge/dressing, rampley, serrated oblique jaws	250 mm	HC4	V
Forceps, tissue grasping, babcock, jaws	10 mm wide, 215 mm	H	E
Forceps, tissue, allis	4 in 5 teeth 150 mm	H	E
Forceps tissue, standard, 1 in 2 teeth, straight	145 mm	HC4	V
Forceps tissue, standard, 1 in 2 teeth, straight	200 mm	H	N
8.1.4 Other general forceps			
Clamp, towel, backhaus curved tongs	135mm	HC4	E
Forceps, cheatle, bend jaws	100mm long, 280mm	HC2	V
Forceps, dressing, curved	130mm, byrant	HC3	E
Forceps, sinus, lister, straight	160mm	HC4	E
Forceps, remove foreign bodies ear	hartmann, shaft 85 & jaws 10mm	HC4	N
8.2 Needle holders			
Needle holder, mathieu, straight	140 mm	HC3	E
Needle holder, mathieu, straight	170 mm	HC4	N
Needle holder, mayo- hager, straight	150 mm	HC2	V
Needle holder, mayo- hager, straight	180 mm	HC4	E
8.3 Needles- special biopsy & spinal			
Needle, spinal	0.9 mm (G20) x 75-120 mm	RR	N
Needle, spinal	0.7 mm (G22) x 75-120 mm	RR	E
Needle, spinal	0.5 mm (G20) x 75-120 mm	RR	V
Trucut Biopsy Needles	Gauge 16	RR	E
Trucut Biopsy Needles	Gauge ZZ	RR	E
8.4 Obstetrics & Gynaecology supplies			
8.4.1 Forceps			
Forceps, caesarian haemostatic	Green armytage, 220 mm, serr. Jaws	H	V
Forceps, hysterectomy, Wertheim	Curved, 245 mm	H	E
Forceps, ovum, winter	290 mm	H	E
Forceps, uterine tenaculum, Wilson	2 x 1 sharp teeth, 255 mm	HC4	E
Forceps, uterine tennaculum (vulsellum) teale	3 in 4 teeth 225 mm	HC4	E
Probe, gyno, rounded- flattened end	Diameter 2 mm, 160 mm	H	E
8.4.2 Speculums			
Speculum, vaginal, auvard	105 x 43 mm (large)	H	N
Speculum, vaginal, cusco	80 x 32 mm (small)	HC3	E
Speculum, vaginal, cusco	90 x 36 mm (medium)	HC3	E
Speculum, vaginal, cusco	110 x 37 mm (large)	HC3	E
Speculum, vaginal, sims	75 x 30 mm (small)	HC2	E
Speculum, vaginal, sims	80 x 35 mm (medium)	HC2	E
Speculum, vaginal, sims	90 x 40 mm (large)	HC2	E
8.4.3 Delivery supplies			
Dilator set, hegar	Double ended, sizes 3-18 mm	HC3	E
Dissector grooved, mcdonald's	200 mm with tip diameter 3.5 mm	H	E
Dissector, double- ended, blunt	190 mm	H	E
Mama kit (safe delivery kit)	Kit	HC2	V
Probe, gyno, rounded- flattened end	Diameter 2 mm, 160 mm	H	E
Scissors, episiotomy, braun-stadler	145 mm	HC3	V
Scissors, umbilical cord	105 mm	HC2	V
Sound uterine sims, flexible, graduated	330 mm	HC3	E

ITEM DESCRIPTION	SPECIFICATION	L	C
Uterine curette	Blake, sharp/blunt, 275 mm	HC4	E
Umbilical cord clamp, plastic, disposable	Piece	H	N
Umbilical cordtie, cotton, nonsterile	3 mm x 100 m	HC2	V
8.5 Laryngoscopes			
Laryngoscopes, flexible	All sizes	HC4	V
Laryngoscope Batteries	AA,AAA, Size C	HC4	E
8.6 Retractors			
Retractor, abdominal, 1 centre blade	250 mm, doyen	RR	E
Retractor balfour, abdom. Set 2 lateral/1 center blades	155 mm, open	RR	E
Retractor gilles, skin/fine wound,	180 mm	RR	E
Retractor langenbeck, 1 prong	30 x 10 mm, 230 mm,	H	E
Retractor volkmann, 3 prong sharp	220 mm, "cats-paw"	H	E
Retractor weitlaner, 3x4 prong, sharp, self- retaining	130 mm	RR	E
8.7 Scissors for surgical use			
Scissors, bandage, lister	200 mm	HC2	V
Scissors, dissecting, metzenbaum, curved	180 mm	HC3	E
Scissors, dissecting, metzenbaum, straight,	180 mm	HC3	E
Scissors, dissecting, mayo-stille, curved, blunt/blunt	170 mm	HC3	E
Scissors, dissecting, mayo, straight blunt/blunt	150 mm	HC2	V
Scissors, dressing, mayo, straight, blunt/blunt	170 mm	HC3	E
Scissors, stitch/ligature, spencer	115 mm	HC3	V
Scissors, surgical, standard curved, sharp/blunt	145 mm	HC4	E
Scissors, surgical, standard straight, sharp/blunt	145 mm (nurse)	HC3	V
Scissors, surgical, standard straight, sharp/blunt	165 mm	HC4	E
Scissors, surgical, standard straight, sharp/sharp	165 mm	HC4	E
8.8 Surgical scalpel blades and handles			
Blades, scalpel	Size 10	HC4	N
Blades, scalpel	Size 11	H	E
Blades, scalpel	Size 15	H	E
Blades, scalpel	Size 20	HC4	E
Blades, scalpel	Size 21	HC4	N
Blades, scalpel	Size 22	HC2	V
Blades, scalpel	Size 23	HC3	E
Blades, scalpel	Size 24	HC4	E
Scalpel handle for surgical blades No.3	Size 10-15	HC3	E
Scalpel handle for surgical blades No.4	Size 20-24	HC2	E
Knife, skin graft, Watson		H	V
Blades for skin graft knife, Watson		H	E
8.9 Other surgical instruments			
Clamp, intestinal, crushing, doyen, curved	240 mm	H	E
Clamp, intestinal, crushing, doyen, straight	240 mm	H	E
Clamp, intestinal, non- crushing, doyen, straight	230 mm	H	E
Curette, bone, volkmann, oval/round	170 mm	H	E
Pin, safety, mayo	140 mm	HC4	E
Plaster saw cutter	Electric	H	E
Plaster saw 125 mm, engel	Non-electric	HC4	N
Plaster shears, stille	26 cm	HC4	N

ITEM DESCRIPTION	SPECIFICATION	L	C
Proctoscope	Diameter 64 mm x 24 mm J36-036	H	E
8.10 Circumcision and Pap Smear Kits			
Male circumcision procedure kit	Kit	HC3	E
Male circumcision additional instruments for dorsal slit / sleeve resection	Kit	HC3	N
Male circumcision reusable instruments for dorsal slit / sleeve resection	Kit	HC3	N
Male circumcision essential consumables disposable, sterile	Kit	HC3	N
Pap smear kits	Kit	HC4	V
9. WARD AND THEATRE SUPPLIES AND ACCESSORIES			
9.1 Equipment and accessories			
Adaptor (connector kit) for humidifier bottle	Piece	H	E
Bubble tubing, humidifier to oxygen mask	Roll, 25 m	HC4	V
Connector, from tube to oxygen mask	Piece	HC4	E
Humidifier bottle	Bottle	HC4	E
Nebulizer chamber	Piece	HC3	E
Pulse oximeter, hand- held, rechargeable	Piece	HC3	V
Pulse oximeter, table top, clinician, rechargeable	Size C battery	RR	E
Regulator and flow meter, oxygen cylinder mounted	0-15 L O ₂ /minute	HC4	V
Resuscitator, adult	1900 ml bag volume	HC3	V
Resuscitator, infant	1000 ml bag volume	HC2	V
Spacer (aerosol-holding chamber)	Piece	HC3	V
Aerosol spacer with mask	Piece	HC3	V
Speculum vaginal, plastic disposable	Large	HC4	V
Speculum vaginal, plastic disposable	Medium	HC4	V
Speculum vaginal, plastic disposable	Small	HC4	V
Suction pump, foot operated	Piece	HC3	V
Suction pump, hand/foot operated	Piece	HC2	V
Suction pump, 2 bottle, electric	Piece	HC4	V
Thermometer, digital, mim-max	External battery, AAA type	HC2	V
Vacuum extractor, complete with accessories	Piece	HC3	V
9.2 Hollow-ware, stainless steel or autoclavable polypropylene			
Bedpan, stainless steel, with handle and lid	Adult size	HC4	E
Bowl without lid, stainless steel	7 x 12 cm	HC2	N
Bowl without lid, stainless steel	10 x 24 cm	HC2	N
Dish, kidney, stainless steel	15 cm	HC3	N
Dish, kidney, stainless steel	25 cm	HC2	E
Gallipot, stainless steel	200-300 ml	HC2	N
Instrument box with lid, stainless steel	20 x 9 x 5 cm	HC4	N
Instrument box with lid, stainless steel	30 x 20 x 5 cm	H	N
Jar for cheattle forceps, stainless steel	Diameter 50 x 220 mm	HC2	E
Urinal, stainless steel	1 L/2 L	HC4	E
9.3 Masks and theatre accessories			
Breathing bags	0.5 L, 1.0 L, 1.5 L, 2.0 L	H	E
Face masks, disposable	2-ply operation theatre	HC4	E
Face mask, spare, for neonates	Size OA	HC2	E
Face mask, spare, for infants	Size 0	HC4	E

ITEM DESCRIPTION	SPECIFICATION	L	C
Face mask, spare, for children	Size 2	HC4	E
Face mask, spare, for adults/ large children	Size 4	HC4	E
Face mask, spare, for adults	Size 5	HC4	E
Oxygen mask with chamber nebulizer	Adult size	HC4	V
Oxygen mask with connection tube, disposable	Adult size	HC4	V
Oxygen mask with connection tube, disposable	Paediatric size	HC4	V
Oxygen mask, with chamber nebulizer	Paediatric size	HC4	V
Surgical mop	12 x 15 cm	HC4	V
9.4 Nursing items			
Air ring set, red rubber with pump & pillow	43 x 15 cm	H	N
Applicators stick with cotton tip	150 x 2.2 mm	HC4	E
Bulb sucker	Rubber, 60 ml	HC2	V
Colostomy bag, open, drainable, with clamp	10-70 mm	H	E
Eye shield single		RR	E
Flanges, spare for colostomy bag, open drainable	35 mm	H	E
Drainage sheets, corrugated	305 x 155 mm	RR	N
First aid kit	Standard kit	HC1	E
Mucus extractor, disposable	Adult, CH10, OD 3.3 mm	HC4	N
Mucus extractor, disposable	Infant	HC4	E
Safety glasses	EN 170	HC2	V
Safety pin	Assorted size	HC2	N
Shaver, disposable, long handle	Single blade	HC4	N
Surgical nail brush, scrubbing	Piece	HC4	E
Tongue Depressor, wooden	150 x 18 mm	HC4	N
Urine collecting bag, sterile, disposable	Adult, 2 L	HC4	E
Urine collecting bag, sterile, disposable	Paediatric, 100 ml	HC4	N
Vein compressor, elastic band, tourniquet	Latex free	HC3	N
9.5 Sterilisation bags			
Autoclave tape	50 m	HC3	V
Self-sealing flat pouch	150 mm x 230 (+30 mm gusset)	HC3	V
Self-sealing flat pouch	250 mm x 370 (+30 mm gusset)	HC3	V
9.6 Newborn care Items			
Disposable umbilical cord clamp with safe security lock		HC3	E
Silicone self-inflating bag (reusable) - bag vol. 240 mL		HC3	E
Silicone masks (reusable) - size 0/0 & 0/1		HC3	E
Penguin suction device (reusable)		HC3	E
Baby identification tags/bracelet		HC3	E
Oxygen nasal prongs for neonates & infants		HC4	E
Intravenous cannula - gauge 26		H	E
Umbilical catheters - size 3.5 & 5.0		RRH	E
10. PACKINGBAGS			
Body bag	Adult, 70 x 215 cm/90 x 234 cm	HC4	V
Dispensing envelopes	Plastic, 75 x 110 mm	HC2	V
11. RADIOLOGY AND OTHER IMAGING SUPPLIES			
Barium sulphate for X-ray	BP, 1 kg	RR	E
Contrast medium, iopamidol 370, non- ionic	50 ml	RR	E
DVB (Blue Base) CR film	18 x 24 cm	RR	E

ITEM DESCRIPTION	SPECIFICATION	L	C
DVB (Blue Base) CR film	24 x 30 cm	RR	E
DVB (Blue Base) CR film	43 x 35 cm	RR	E
ECG	Gel	RR	V
EEG	Gel, One Step	NR	V
Enema bag	Piece	RR	N
Gas forming agent	Packet of 50 sachets	RR	E
Imaging plate	18 x 24 cm	RR	N
Imaging plate	43 x 35 cm	RR	N
Lead apron, 0.5 mm Pb	100 x 60 cm	H	V
Lead skirts, 0.5 mm Pb	Small, medium and large	H	N
Gonadal shields for male, 0.5 mm Pb	Small, medium and large	H	E
Gonadal shield for female, 0.5 mm Pb	Small, medium and large	H	E
Thyroid shield, 0.5 mm Pb equivalent	Small, medium and large	H	E
Protective eye wear (lead goggles), 0.5 mm Pb	Small, medium and large	H	E
Lead gloves, 0.5 mm Pb equivalent	Small, medium and large	H	E
Mammography film cassette	18 x 24 cm	RR	V
Mammography imaging plate	18 x 24 cm	RR	V
Mammography imaging plate	24 x 30 cm	RR	V
MRI contrast medium Gadolineum	20 ml bottle	NR	V
Thermal paper high gloss	Roll, 110 mm x 28 m	HC4	V
Ultrasound gel	Water soluble, 5 L	HC4	V
Ultrasound sonography paper	Thermal high density paper	HC4	V
X-ray developer and replenisher	2.6 kg for 22.5 L	H	V
X-ray developer and replenisher	Automatic process	NR	V
X-ray developer, liquid concentrate	Automatic, 5 L	RR	V
X-ray fixer, liquid concentrate	Automatic, 5 L	RR	V
X-ray developer, liquid concentrate	Manual, 5 L	H	V
X-ray film	Green sensitive 18 x 24 cm	H	V
X-ray film	Green sensitive 18 x 43 cm	H	V
X-ray film	Green sensitive 24 x 30 cm	H	V
X-ray film	Green sensitive 30 x 40 cm	H	V
X-ray film	Green sensitive 35 x 35 cm	H	V
X-ray film	Green sensitive 35 x 40 cm	H	V
X-ray film	Green sensitive 43 x 35 cm	H	V
X-ray fixer	Auto processing, rapid	NR	V
X-ray fixer	Powder, 3.3 kg for 22.5 L	NR	V
12. STATIONERY AND STOCK MANAGEMENT			
Anaesthetic form	Forms	HC4	V
Anaesthetic & operation report, HF 305	Booklet of 200 pages	RR	N
Antenatal record booklet	Booklet of 200 pages	RR	N
Blood group compatibility form, self-carbonating	Booklet of 200 pages	RR	N
Casualty assessment form, HP 302	Booklet of 200 pages	RR	N
Cause of death certificate book, self carbonating, MF105	Booklet of 200 pages	RR	N
Child health and immunisation card	Card	RR	V
Consultation request form, HF 304	Booklet of 200 pages	RR	N
CT scan request	Booklet of 200 pages	RR	N
Daily fluid balance chart, HF 315A	Booklet of 200 pages	RR	N

ITEM DESCRIPTION	SPECIFICATION	L	C
Diabetic chart, HF 314	Booklet of 200 pages	RR	N
Employment medical examination form, MF7	Booklet of 200 pages	RR	N
Gynaecological clinic form, MF 116	Booklet of 200 pages	RR	N
HBMF register for community distributors	Book	HC2 (HC1)	V
Head injury observation chart	Booklet of 200 pages	RR	N
Histology request form	Booklet of 200 pages	RR	N
In-patient booklet	Pack of 100	RR	N
In-patient discharge form	Booklet of 200 pages	RR	N
Intensive care unit observation chart	Booklet of 200 pages	RR	N
Laboratory request form	Booklet of 200 pages	RR	N
Medical form 5	Book	H	V
MHC-radiographic recognition form-chest	Pack of 100	H	N
MHC-radiographic recognition form-Plain abdomen	Pack of 100	H	N
MHC-radiographic recognition form-skull & PNS	Pack of 100	H	N
MHC-radiographic recognition form-Spine	Pack of 100	H	N
Mortuary identification tag	Pack of 100	RR	N
Necropsy request form, HF 320	Booklet of 200 pages	RR	N
Neonatal record form, HF 343	Pack of 100	RR	N
Nutrition form	Pack of 100	RR	N
Orthopaedic muscle chart, HF 317	Booklet of 200 pages	RR	N
Out-patients' cards, HF 342	Pack of 100	RR	N
Out-patient medical form 5, self-carbonating	Booklet of 200 pages	RR	N
Outpatients register HMIS 031	Booklet of 200 pages	HC2	V
Paediatric admission record, loose sheets	Pack of 100	RR	N
Patient's records file folders, manila	Pack of 100	RR	N
Physiotherapy form	Booklet of 200 pages	RR	N
Postmortem examination form	Pack of 100	RR	N
Prescription and dispensing log book	Booklet	HC2	V
Request form for blood transfusion, HF 311	Booklet of 200 pages	RR	N
Requisition and issue voucher book, MF 124	Book	HC2	V
Stock card (HMIS 015)	Card	HC2	V
TB/Leprosy referral/ transfer form	Booklet of 200 pages	RR	N
Tetanus toxoid immunization card	Pack of 100	RR	N
Treatment sheet, HF 319	Booklet of 200 pages	RR	N
Ultrasound envelopes, khaki	11 X 22cm, Pack of 100	HC4	N
Ultrasound report	Booklet of 200 pages	HC4	N
Ultrasound request form, HF312©	Booklet of 200 pages	HC4	N
X-ray envelopes khaki	44X 36 cm, Pack of 100	H	N
X-ray report, HF 312 (B)	Booklet of 200 pages	H	N
X-ray request form	Booklet of 200 pages	H	N

SECTION C: SPECIALIST HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
1. LIGATURES AND SUTURE MATERIALS AND SURGICALS			
PGA, suture (3/0)	30 mm needle length	RR	E
Eye suture nylon 9/0	Single armed	RR	V
Eye suture nylon 10/0	Single armed	RR	V
Eye suture nylon 10/0	Double armed	RR	V
2. CATHETERS AND TUBES			
2.1 Catheters			
Arterial catheter kit	Kit	H	E
Central venous catheter	Adult, 7 Fr	H	V
Central venous catheter	Adult, 8 Fr	H	V
Central venous catheter	Paediatric	H	V
Catheter, foley, with temperature probe	Adult, Paediatric	H	N
Esophageal temperature probes	Adult, Paediatric	RR	N
Peripherally Inserted Central Catheter (PICC line)	Piece	RR	N
Invasive blood pressure transducer kit, with system and stiff pressure tubing	Adult	RR	E
Invasive blood pressure transducer kit, with system and stiff pressure tubing	Paediatric	RR	E
2.2 Tubes			
Biliary T-Tube	FG 12	RR	E
Biliary T-Tube	FG 14	RR	E
Biliary T-Tube	FG 16	RR	E
2.3 Others			
Bronchial blockers	Piece	NR	N
3. ORTHOPAEDIC SUPPLIES			
3.1 Drill bits			
Drill bits	2.5"	RR	E
Drill bits	2.7"	RR	E
Drill bits	3.2"	RR	E
Hand drill, manual	Piece	RR	E
3.2 Fixators			
Fixators, External	Small: fore-arm & hand, connecting clamp	RR	V
Fixators, External	Small: fore-arm & hand, single pin clamp 4.0 x 2.5 mm	RR	V
Fixators, External	Var. sizes: rods, single and double clamps/ connecting rods	RR	V
3.3 Ilizarov system			
Ilizarov bars	Short, medium and long	RR	N
Ilizarov bolts	Central hole: 1.8 mm, 2.0 mm; Side slot: 1.8 mm, 2.0 mm; Plain	RR	N
Ilizarov wires	1.8 mm diameter	RR	E
Ilizarov wires	2.0 mm diameter	RR	E
3.4 Nails			
Nail, locking, AO	34-40 mm long, 8 mm diameter	RR	E
Nail femur, AO	34-40 mm long, 10 mm diameter	RR	E
Nail femur, AO	34-40 mm long, 11 mm diameter	RR	E
Nail femur, AO	34-40 mm long, 12 mm diameter	RR	E

Nail femur,AO	34-40 mm long, 13 mm diameter	RR	E
Nail tibia,AO	32-36 mm long, 8 mm diameter	RR	N
Nail tibia,AO	32-36 mm long, 9 mm diameter	RR	N
Nail tibia,AO	32-36 mm long, 10 mm diameter	RR	N
Nail tibia,AO	32-36 mm long, 11 mm diameter	RR	N
3.5 Pins			
Pin Steinman, with tracer tips at both ends	3.5-4.0 mm	RR	E
Pins schanz	2.5 mm	RR	E
Pins schanz	3 mm	RR	E
Pins schanz	4 mm	RR	E
Pins schanz	5 mm	RR	E
Pins schanz	6 mm	RR	E
3.6 Plates			
Plate, angled blade	Diameter 50 mm, 95o, 6holes	RR	E
Plate, angled blade	Diameter 50 mm, 95o, 7holes	RR	E
Plate, angled blade	Diameter 50 mm, 95o, 8holes	RR	E
Plates- L-plates	4 holes	RR	E
Plates- L-plates	5 holes	RR	E
Plates- L-plates	6 holes	RR	E
Plates- L-plates	7 holes	RR	E
Plates-T-plates	4 holes	RR	E
Plates- T-plates	5 holes	RR	E
Plates- T-plates	6 holes	RR	E
Plates- T-plates	7 holes	RR	E
Plates- one-third, tubular	5 holes	RR	E
Plates- one-third, tubular	6 holes	RR	E
Plates- one-third, tubular	7 holes	RR	E
Plates- reconstruction	Diameter 3.5 mm, 58 to 262 mm long, 5-22holes	RR	E
Plates- side, dynamic hip (DHS)	Angle 1300 or 1350, 4 holes	RR	E
Plates- side, dynamic hip (DHS)	Angle 1300 or 1350, 5 holes	RR	E
Plates- side, dynamic hip (DHS)	Angle 1300 or 1350, 6 holes	RR	E
Plates- side, dynamic hip (DHS)	Angle 1300 or 1350, 7 holes	RR	E
Plates, dynamic compression	3.5 mm, 7 holes	RR	E
Plates- dynamic compression	3.5 mm, 8 holes	RR	E
Plates- dynamic compression	4.5 mm, 9 holes	RR	E
Plates- dynamic compression	4.5 mm, 10 holes	RR	E
Plates- dynamic compression	4.5 mm, 11 holes	RR	E
Plates- dynamic compression	4.5 mm, 12 holes	RR	E
Plates- dynamic compression	4.5 mm, 13 holes	RR	E
Plates- dynamic compression	4.5 mm, 14 holes	RR	E
Plates- semi tubular	5 holes	RR	E
Plates- semi tubular	6 holes	RR	E
Plates- semi tubular	7 holes	RR	E
Plates- semi tubular	8 holes	RR	E
3.7 Prostheses			
Bipolar prosthesis	43 mm diameter	RR	N
Bipolar prosthesis	44 mm diameter	RR	N
Bipolar prosthesis	45 mm diameter	RR	N

Bipolar prosthesis	46 mm diameter	RR	N
Bipolar prosthesis	47 mm diameter	RR	N
3.8 Screws			
3.8.1 Cancellous screws			
Screw- cancellous, partially & fully threaded	3.5 mm, long 15 mm	RR	E
Screw-cancellous, partially & fully threaded	3.5 mm, long 20 mm	RR	E
Screw-cancellous, partially & fully threaded	3.5 mm, long 25 mm	RR	E
Screw-cancellous, partially & fully threaded	3.5 mm, long 30 mm	RR	E
Screw-cancellous, partially & fully threaded	3.5 mm, long 35 mm	RR	E
Screw-cancellous, partially & fully threaded	3.5 mm, long 40 mm	RR	E
Screw-cancellous, partially & fully threaded	3.5 mm, long 45 mm	RR	E
Screw-cancellous, partially & fully threaded	3.5 mm, long 50 mm	RR	E
Screw-cancellous, partially & fully threaded	4.5 mm, long 30 mm	RR	E
Screw-cancellous, partially & fully threaded	4.5 mm, long 35 mm	RR	E
Screw-cancellous, partially & fully threaded	4.5 mm, long 40 mm	RR	E
Screw-cancellous, partially & fully threaded	4.5 mm, long 45 mm	RR	E
Screw-cancellous, partially & fully threaded	4.5 mm, long 50 mm	RR	E
Screw-cancellous, partially & fully threaded	4.5 mm, long 55 mm	RR	E
Screw-cancellous, partially & fully threaded	4.5 mm, long 60 mm	RR	E
Screw-cancellous, partially & fully threaded	4.5 mm, long 65 mm	RR	E
3.8.2 Cortical compression screws			
Screw-cortical compression	3.5 mm, long 14 mm	RR	E
Screw-cortical compression	3.5 mm, long 16 mm	RR	E
Screw-cortical compression	3.5 mm, long 18 mm	RR	E
Screw-cortical compression	3.5 mm, long 20 mm	RR	E
Screw-cortical compression	3.5 mm, long 22 mm	RR	E
Screw-cortical compression	3.5 mm, long 38 mm	RR	E
Screw-cortical compression	3.5 mm, long 40 mm	RR	E
Screw-cortical compression	3.5 mm, long 42 mm	RR	E
Screw-cortical compression	3.5 mm, long 46 mm	RR	E
Screw-cortical compression	3.5 mm, long 48 mm	RR	E
Screw-cortical compression	4.5 mm, long 16 mm	RR	E
Screw-cortical compression	4.5 mm, long 18 mm	RR	E
Screw-cortical compression	4.5 mm, long 20 mm	RR	E
Screw-cortical compression	4.5 mm, long 22 mm	RR	E
Screw-cortical compression	4.5 mm, long 24 mm	RR	E
Screw-cortical compression	4.5 mm, long 26 mm	RR	E
Screw-cortical compression	4.5 mm, long 28 mm	RR	E
Screw-cortical compression	4.5 mm, long 30 mm	RR	E
Screw-cortical compression	4.5 mm, long 32 mm	RR	E
Screw-cortical compression	4.5 mm, long 34 mm	RR	E
Screw-cortical compression	4.5 mm, long 36 mm	RR	E
Screw-cortical compression	4.5 mm, long 38 mm	RR	E
Screw-cortical compression	4.5 mm, long 40 mm	RR	E
Screw-cortical compression	4.5 mm, long 42 mm	RR	E
Screw-cortical compression	4.5 mm, long 44 mm	RR	E
Screw-cortical compression	4.5 mm, long 46 mm	RR	E
Screw-cortical compression	4.5 mm, long 48 mm	RR	E

3.8.3 Dynamic hip screws (DHS)			
Screw-dynamic hip	75 mm	RR	E
Screw-dynamic hip	80 mm	RR	E
Screw-dynamic hip	85 mm	RR	E
Screw-dynamic hip	90 mm	RR	E
Screw-dynamic hip	95 mm	RR	E
3.9 Wires			
Wires (k-wires)	0.75 mm	RR	E
Wires (k-wires)	1.0 mm	RR	E
Wires (k-wires)	1.5 mm	RR	E
Wires (k-wires)	1.8 mm	RR	E
Wires (k-wires)	2.0 mm	RR	E
Wires (k-wires)	2.5 mm	RR	E
Wires - soft	2.0 mm	RR	E
Wires - soft	2.5 mm	RR	E
Wires - soft	2.7 mm	RR	E
Wires - soft	3.2 mm	RR	E
3.10 Other Orthopaedic Supplies			
Diathermy, cables & tips	Various sizes	RR	E
Ortho-phthaldehyde solution	5.75%	RR	E
Rods rush	Medium size	RR	N
Tourniquet, Esmarch	No 10	RR	E
4. DIALYSIS SUPPLIES			
4.1 Haemodialysis			
Acid concentrate for bicarbonate hemodialysis	With glucose	RR	E
Acid concentrate for bicarbonate hemodialysis	Without glucose	RR	E
AV fistula needles	Gauge 15, 16, 17	RR	E
Bicarbonate powder	81.25 g/l; 650-760 g	RR	E
Bloodlines (come with dialysers)	Depending on dialyser	RR	E
Catheters	Size 15, 16, 17.5	RR	E
Catheters	Permacath 28 cm, 31 cm	RR	E
Temporary Catheters	Size 11 cm, 13 cm; 8 fr, 12 fr	RR	E
Catheter	Size 20	RR	E
Dialysers, filters	Small adult, F7	RR	E
Dialysers, filters	Average adult, F8	RR	E
Dialysers, filters	Children, F5	RR	E
Dressing packs for AV Fistulas and Catheters	Single use	RR	E
Water treatment plant	Citric acid powder, sodium hypochlorite 10%, Axial salt, micron filters	RR	E
4.2 Peritoneal dialysis			
Adapters and connectors	ISO compliant	RR	E
Diaslysis collecting bag	Varies	RR	E
Tenckhoff catheter	Adult	RR	E
Tenckhoff catheter	Children	RR	E
Y-line	ISO compliant	RR	E
5. DENTAL SUPPLIES			
5.1 Elevators			
Elevator, dental	Lower root, left, seldin	H	E

Elevator, dental	Lower root, right, seldin	H	E
Elevator, dental	Lower roots, left, flohr	H	E
Elevator, dental	Lower roots, right, flohr	H	E
Elevator, dental	Upper root, round point, bein	H	E
Elevator, dental	Upper roots, left, barry	H	E
Elevator, dental	Upper roots, London pattern	H	E
Elevator, dental	Upper roots, right, barry	H	E
5.2 Forceps			
Forceps, dental	Children, lower roots	H	E
Forceps, dental	Children, upper anterior	H	E
Forceps, dental	Children, upper molar	H	E
Forceps, dental	Lower canines & bicuspid	H	E
Forceps, dental	Lower incisors & bicuspid	H	E
Forceps, dental	Lower molar	H	E
Forceps, dental	Lower wisdom teeth	H	E
Forceps, dental	Upper bicuspid	H	E
Forceps, dental	Upper front roots	H	E
Forceps, dental	Upper molar, left	H	E
Forceps, dental	Upper molar, right	H	E
Forceps, dental	Upper molar, wide	H	E
Forceps, dental	Upper crowded incisors & Canines	H	E
Forceps, dental	Upper root	H	E
Forceps, dental	Upper wide incisors & canines	H	E
Forceps, dental	Upper wisdom teeth	H	E
5.3 Other dental instruments			
Curette, dental, crane-caplan	175 mm	H	E
Excavator, dental, fig. 18 double ended	175 mm	H	E
Explorer, dental, delicate, flexible		H	E
Filling instrument plastic, double ended, dental	170 mm	H	E
Mirror dental	Diameter 22 mm and handle 120 mm	RR	E
Mouth gag, fergusson-ackland	145 mm	H	E
Periodontometer, dental	160 mm	H	E
Probe measuring, dental, double ended	Diameter 0.3 mm, 160 mm	H	E
Raspatory williger, dental	4.2 mm wide, 140 mm	H	E
Scaler mccall, dental, double ended	170 mm	H	E
Spatula cement, dental, double-ended	180 mm, blades 7 mm wide	H	E
Spatula, dental, double-ended	180 mm, blades 5 mm wide	H	E
5.4 Syringes and needles			
Echt syringes	2.5 ml	H	N
Needles, dental cartridge, long	G27 (0.41 x 30 mm)	HC4	E
Needles, dental cartridge, short	27G (0.41 x 21 mm)	HC4	E
Syringe, dental, metal	1.8 ml	H	N
5.5 Fillings and accessories			
Alginate dental impression material	450 g pack	H	N
Arch bar coil	1 m roll	H	N
Cold mould seal	1 L	H	E
Dental cotton rolls	10 mm x 38 mm long, P/40 bundles of 50	H	N
Dental mercury	500 g	H	E

Dental plaster	1 kg bag	H	E
Dental sheet, protection for patients clothes (bib)	Piece	H	N
Dental silver alloy	50 g	H	E
Dental stone	1 kg bag	H	E
Developer powder	For dental use	H	N
Calcium hydroxide liquid powder	10 ml	H	E
Eugenol liquid	30 ml bottle	H	N
Fixer powder	For dental use	H	N
Glass ionometer	20 g	H	N
Gutta perch packets	Assorted Sizes 45-80	H	N
Gutta perch packets	Assorted Sizes 15-40	H	N
Hand piece oil spray	500 ml	H	E
Heat cure acrylic liquid	250 ml	H	N
Heat cure acrylic powder	500 g	H	N
Paper points	15-40	H	N
Paper points	45-80	H	N
Polishing paste	200 g	H	N
Pumice	1 kg	H	N
Self cure acrylic liquid	250 ml	H	N
Self cure acrylic powder, clear	500 g	H	N
Suction tubes (saliva ejectors)	0.5 mm, 30 m	H	N
Zinc oxide, iodoform, liquid paraffin paste (ZIPP)	30 g tin	H	N
5.6 Dental X-ray Supplies			
Occlusal dental X-ray films	5 x 7 cm	H	N
Panaromic for dental use	15 X 30 cm	H	N
Periapical dental X-ray film	3 x 4 cm	H	N
6. OPHTHALMICSUPPLIES			
Polymethylmethacrylate (PMMA) intraocular lenses, 4 point fixation	Anterior chamber 18D	RR	V
PMMA intraocular lenses, 4-point fixation	Anterior chamber 19D	RR	V
PMMA intraocular lenses, 4-point fixation	Anterior chamber 20D	RR	V
PMMA intraocular lenses, posterior chamber	5 mm diameter 12.5 mm length, 21D, 22D, 23D, 24D, 25D	RR	V
PMMA intraocular lenses, posterior chamber	6 mm diameter 12.5 mm length, 21D, 22D, 23D, 24D, 25D	RR	V
Viscoelastics	Prefilled syringe	RR	V
Crescent knives	2.0, 2.5, 3.0 mm Straight	RR	V
Crescent knives	2.0, 2.5, 3.0 mm Angled	RR	V
Keratomes	All sizes	RR	V
7. PROTECTIVES			
Theatre gown, cotton, re-usable	Dark green	HC4	V
Theatre Trousers	Light green	HC4	V
8. BONE MARROW SUPPLIES			
Bone marrow needles set	Adult	RR	E
Bone marrow needles set	Paediatric	RR	E

SECTION D: LABORATORY SUPPLIES

Table 1: Laboratory Test Menu by Level of Care

National Referral Hospital Laboratories (NRHL)	Regional Referral Hospital Laboratories (RRHL)	General Hospital Laboratories (GHL)	Health Centre IV Laboratories	Health Centre III Laboratories
HEMATOLOGY				
Full blood count	Full blood count	Full blood count	Full blood count	Hemoglobin estimation
Hemoglobin estimation	Hemoglobin estimation	Hemoglobin estimation	Hemoglobin estimation	White blood cell count
White cell total & Differential count	White cell total & Differential count	White cell total & Differential count	White blood cell count	
Blood Film comment	Blood Film comment			
Reticulocyte test:	Reticulocyte test:	Reticulocyte test:	Reticulocyte test:	Reticulocyte test:
Reticulocyte percentage (RET %)	Reticulocyte count	Reticulocyte count		
Reticulocyte count (RET#)	Reticulocyte count (RET#)			
Immature Reticulocyte fraction (IRF)	Immature RBC hemoglobin (RBC – HE)			
Low Fluorescent Ratio (LFR)				
Medium Fluorescen Ratio (MFR)				
High Fluorescen Ratio (HFR)				
Reticulocyte hemoglobin (RET-HE)				
Immature RBC hemoglobin (RBC – HE)				
Body fluid analysis:	Body fluid analysis:	Body fluid analysis:	Body fluid analysis:	Body fluid analysis:
White cell count (WBC – BF)	White cell count(WBC – BF)	White cell count(WBC – BF)		
Red blood cell (RBC – BF)	Red blood cell (RBC – BF)	Red blood cell (RBC – BF)		
Mono Nuclear cell count (MN)	Total Cell count (TC-BF#)	Total Cell count (TC-BF#)		
Polymorph nuclear cell count (PMN)				
MN%				
PMN%				
Total Cell Count (TC-BF#)				
Progenitor Cell # (HPC)				

National Referral Hospital Laboratories (NRHL)	Regional Referral Hospital Laboratories (RRHL)	General Hospital Laboratories (GHL)	Health Centre IV Laboratories	Health Centre III Laboratories
Sickle cell test:	Sickle cell test:	Sickle cell test:	Sickle cell test:	Sickle cell test:
Sickle cell screening	Sickle cell screening test	Sickle cell screening test	Sickle cell screening test	Sickle cell screening test
HB electrophoresis test (Sickle cell)				
HB – F				
HB – S				
HB-A2				
HBA				
Immunotyping(light and heavy chains)				
Platelet function tests:	Platelet function tests:	Platelet function tests:	Platelet function tests:	Platelet function tests:
Thin film report				
Clot retraction test				
Thromboerythrogram,				
Coagulation Tests	Coagulation Tests	Coagulation Tests	Coagulation Tests	Coagulation Tests
Bleeding and Clotting Time	Bleeding and Clotting Time	Bleeding and Clotting Time	Bleeding and Clotting Time	
Thrombin clotting time(TT)	Thrombin clotting time(TT)	Thrombin clotting time(TT)	Thrombin clotting time(TT)	
Thrombin time in the presence of Protamine Sulphate	Thrombin time in the presence of Protamine Sulphate	Thrombin time in the presence of Protamine Sulphate		
Prothrombin time (PT)	Prothrombin time (PT)	Prothrombin time (PT)		
Activated partial Thromboplastin Time (APTT)	Activated partial Thromboplastin Time (APTT)	Activated partial Thromboplastin Time (APTT)		
Fibrinogen test (Modified Claus Assay)	Fibrinogen test (Modified Claus Assay)	Fibrinogen test (Modified Claus Assay)		
Fibrinogen Antigen Assay by RIA				
Repitlase Time				
Batroxobin				
Factor Assays(ii)				
Factor Assays(v)				
Factor Assays(vii)				
Factor Assays(viii)				
Factor Assays(ix)				

National Referral Hospital Laboratories (NRHL)	Regional Referral Hospital Laboratories (RRHL)	General Hospital Laboratories (GHL)	Health Centre IV Laboratories	Health Centre III Laboratories
Factor Assays(x)				
One- stage Intrinsic Assay of prekallikren(PKK), and High Molecular Weight Kininogen (HMWK)				
Plasmin Inhibitor	Plasmin Inhibitor	Plasmin Inhibitor	Plasmin Inhibitor	Plasmin Inhibitor
Erythrocyte sedimentation rate	Erythrocyte sedimentation rate	Erythrocyte sedimentation rate	Erythrocyte sedimentation rate	Erythrocyte sedimentation rate
D-dimer	Lupus erythromatous	Lupus erythromatous		
CRP test				
Peripheral Film Comment				
Lupus erythromatous test				
Ant Thrombin (AT)				
Anti-Thrombin Liquid (AT)				
ANTI Xa				
Plasmin Inhibitor (PI)				
Blood Transfusion services	Blood Transfusion Services	Blood Transfusion Services	Blood Transfusion Services	Blood Transfusion Services
ABO grouping	ABO grouping	ABO grouping	ABO grouping	ABO grouping
Rh grouping	Rh grouping	Rh grouping	Rh grouping	Rh grouping
Compatibility testing	Compatibility testing	Compatibility testing	Compatibility testing	
Direct Coombs test	Direct Coombs test	Direct Coombs test		
Indirect Coombs test	Indirect Coombs test	Indirect Coombs test		
Du test	Immediate Spin Cross			
	Match (ISCM)			
Anti-body typing	Du test			
Immediate Spin Cross Match (ISCM)	Weak D Typing			
Weak D Typing				
Immune Hematology:	Immune hematology:	Immune hematology:	Immune hematology:	Immune hematology:
CD4, CD3, CD8 Counts and Ratios	CD4, CD3, CD8 Counts and Ratios	CD4, CD3, CD8 Counts and Ratios	CD4, CD3, CD8 Counts and Ratios	CD4, CD3, CD8 Counts and Ratios
CD3/CD8 %	CD3/CD8 %	CD3/CD8 %	CD3/CD8 %	CD3/CD8 %
MICROBIOLOGY				

National Referral Hospital Laboratories (NRHL)	Regional Referral Hospital Laboratories (RRHL)	General Hospital Laboratories (GHL)	Health Centre IV Laboratories	Health Centre III Laboratories
Bacteriology	Bacteriology	Bacteriology	Bacteriology	Bacteriology
AFB test	AFB test	AFB test	AFB test	AFB test
Stool analysis	Stool analysis	Stool analysis	Stool analysis	Stool analysis
Urine analysis	Urinalysis	Urinalysis	Urinalysis	Urinalysis
CSF Analysis	CSF analysis	CSF analysis		
Semen analysis	Semen analysis			
Parasitology	Parasitology	Parasitology	Parasitology	Parasitology
Malaria test	Malaria test	Malaria test	Malaria test	Malaria test
Filaria test	Filaria test	Filaria test	Filaria test	Filaria test
Trypanosoma test	Leishmania test	Leishmania test	Leishmania test	Leishmania test
Leishmania test	Trypanosoma test	Trypanosoma test	Trypanosoma test	Trypanosoma test
Boleria test	Boleria test			
Skin Snip test	Skin Snip test			
Microbiological specimen analysis	Microbiological specimen analysis	Microbiological specimen analysis	Microbiological specimen analysis	Microbiological specimen analysis
High Virginal Swab (HVS) analysis	High Virginal Swab (HVS) analysis	HVS Swab analysis	HVS swab analysis	
Pus Swab analysis	Pus Swab analysis	Pus Swab analysis	Pus Swab analysis	
Wound swab analysis	Wound swab analysis	Wound swab analysis	Wound swab analysis	
Body fluid aspirates analysis	Eye Swab analysis	Eye Swab analysis		
Eye Swab analysis	Nasal swab analysis	Nasal swab analysis		
Nasal swab analysis	Ear swab analysis	Ear swab analysis		
Ear swab analysis	Blood culture analysis	Bacterial identification tests		
Endotracheal Fluid analysis	Catheter Tips analysis	Bacterial susceptibility testing		
Specific Site Hygiene testing (ward, theatre, personnel etc.)	Specific Site Hygiene testing (ward, theatre, personnel etc.)			
Gastric Aspirate analysis	Bacterial identification tests			
Nasopharyngeal/ oropharyngeal swab	Bacterial susceptibility testing			
Cervical /Endo-cervical swab analysis				

National Referral Hospital Laboratories (NRHL)	Regional Referral Hospital Laboratories (RRHL)	General Hospital Laboratories (GHL)	Health Centre IV Laboratories	Health Centre III Laboratories
Urethral /Rectal Swab analysis				
Catheter Tips analysis				
Lymph Node Aspirate analysis				
Corneal scraping analysis				
Blood culture analysis				
Skin/Nail/Hair Scrapping analysis				
Biopsy Tissue analysis				
White cell count(WBC – BF)				
Red blood cell (RBC – BF)				
Mono Nuclear cell count(MN)				
Polymorph nuclear cell count (PMN)				
MN%				
PMN%				
Bacterial identification tests				
Bacterial susceptibility testing				
Special staining identification tests				
Mycology	Mycology	Mycology	Mycology	Mycology
Skin/Nail/Hair Scrapping analysis	Skin/Nail/Hair Scrapping analysis			
Fungal Identification Tests	Fungal Identification Tests			
Fungal susceptibility tests	Fungal susceptibility tests			
Histology / Cytology	Histology / Cytology	Histology / Cytology	Histology / Cytology	Histology / Cytology
PAS	PAP Smear			
PAP Smear				
Histological Tissue analysis (Biopsy)				
Cytological test				

National Referral Hospital Laboratories (NRHL)	Regional Referral Hospital Laboratories (RRHL)	General Hospital Laboratories (GHL)	Health Centre IV Laboratories	Health Centre III Laboratories
SEROLOGY				
HIV test	HIV test	HIV test	HIV test	HIV test
Syphilis test	Syphilis test	Syphilis test	Syphilis test	Syphilis test
Pregnancy test	Pregnancy test	Pregnancy test	Pregnancy test	Pregnancy test
Brucella agglutinin test	Brucella agglutinin test	Brucella agglutinin test	Brucella agglutinin test	Malaria Rapid Diagnostic
Rheumatoid factor	Rheumatoid factor	Rheumatoid factor	Rheumatoid factor	Hepatitis B test
Typhoid test	Typhoid test	Typhoid test	Typhoid test	Hepatitis C test
Helicobacter pylori IgG	Helicobacter pylori IgG	Helicobacter pylori IgG	Helicobacter pylori IgG	Hepatitis A Rapid test
Hepatitis B test	Hepatitis B test	Hepatitis B test	Hepatitis B test	Cryptococcal Antigen test
Hepatitis C test	Hepatitis C test	Hepatitis C test	Hepatitis C test	
Hepatitis B Core Ag Test	Hepatitis B Core Ag Test	Hepatitis B Core Ag Test	Hepatitis A Rapid test	
Hepatitis A Rapid test	Hepatitis A Rapid test	Hepatitis A Rapid test	Cryptococcal Antigen test	
Cryptococcal Antigen test	Cryptococcal Antigen test	Cryptococcal Antigen test	Malaria Rapid Diagnostic	
Malaria Rapid Diagnostic	Malaria Rapid Diagnostic	Malaria Rapid Diagnostic		
BIOCHEMISTRY				
LFTs	LFTs	LFTs	LFTs	LFTs
SGOT (AST)	SGOT (AST)	SGOT (AST)	SGOT (AST)	
SGPT (ALT)	SGPT (ALT)	SGPT (ALT)	SGPT (ALT)	
ALP	ALP	ALP	ALP	
Direct bilirubin	Direct bilirubin	Direct bilirubin	Direct bilirubin	
Total Bilirubin	Total Bilirubin	Total Bilirubin	Total Bilirubin	
Total protein	Total protein	Total protein		
Albumin	Albumin			
GGT	GGT			
RFTs	RFTs	RFTs	RFTs	RFTs
Urea	Urea	Urea	Urea	
Creatinine	Creatinine	Creatinine	Creatinine	
Creatinine Clearance	Creatinine Clearance	Creatinine Clearance		
Inulin Clearance				
Cystatin C				
Lipid profile	Lipid profile	Lipid profile	Lipid profile	Lipid profile
Triglycerides	Triglycerides	Triglycerides	Triglycerides	

National Referral Hospital Laboratories (NRHL)	Regional Referral Hospital Laboratories (RRHL)	General Hospital Laboratories (GHL)	Health Centre IV Laboratories	Health Centre III Laboratories
Total Cholesterol	Total Cholesterol	Total Cholesterol	Total Cholesterol	
Low Density Lipoproteins (LDL) LDLc	Low Density Lipoproteins (LDL) LDLc			
High Density Lipoproteins (HDL) HDLc	High Density Lipoproteins (HDL) HDLc			
Electrolytes/ Extended Electrolytes	Electrolytes	Electrolytes	Electrolytes	Electrolytes
Potassium	Potassium	Potassium	Potassium	
Sodium	Sodium	Sodium	Sodium	
Chloride	Chloride	Chloride	Chloride	
Bicarbonate	Lithium			
Calcium	Calcium			
Magnesium				
Phosphate				
Lithium				
Cardiac Profile	Cardiac Profile	Cardiac Profile	Cardiac Profile	Cardiac Profile
CK-MB	CK-MB			
CK- NAC (Total)	CK- NAC (Total)			
LDH	LDH			
hs-CRP	Troponins (C,T,I)			
ASO (RHD)				
NT Pro BNP				
Myoglobin				
Pancreatic function tests	Pancreatic function tests	Pancreatic function tests	Pancreatic function tests	Pancreatic function tests
Glucose	Glucose	Glucose	Glucose	Rapid Blood Sugar
Amylase - Total	Amylase	Amylase	Amylase	
Amylase - Pancreatic	Uric Acid	Uric Acid	Uric Acid	
Lipase	Lipase	Lipase		
Uric Acid				
Bone Profile	Bone profile	Bone profile	Bone profile	Bone profile
ALP	ALP	ALP	ALP	
Calcium	Calcium			
Phosphate	Phosphates			
Blood gases ABG	Blood gases ABG	Blood gases ABG	Blood gases ABG	Blood gases ABG
HCO3	HCO3			
PO2	PO2			

National Referral Hospital Laboratories (NRHL)	Regional Referral Hospital Laboratories (RRHL)	General Hospital Laboratories (GHL)	Health Centre IV Laboratories	Health Centre III Laboratories
PCO2	PCO2			
Ca2+ (Free & Bound)	Ca2+ (Free & Bound)			
Ph				
Hb				
HCT				
HCO3				
Metabolic Tests	Metabolic Profile	Metabolic Profile	Metabolic Profile	Metabolic Profile
Glycosylated Hemoglobin	Iron	Iron		
Lactic acid	Lactic acid	Lactic acid		
Vitamin B12	Ferritin			
Vitamin C	Folate			
Iron				
Ferritin				
Transferrin				
G6PD				
Folate				
Thyroid Function Tests	Thyroid Function Tests	Thyroid Function Tests	Thyroid Function Tests	Thyroid Function Tests
Free T3	Free T3			
Free T4	Free T4			
Total T4	Total T4			
Total T3	Total T3			
TSH	TSH			
Anti -TSH-IgG				
PTHH				
Fertility Hormones	Fertility Hormones	Fertility Hormones	Fertility Hormones	Fertility Hormones
Follicle Stimulating Hormone (FSH)	Follicle Stimulating Hormone (FSH)			
Luteinizing Hormone (LH)	Luteinizing Hormone (LH)			
Cortisol	Cortisol			
Progesterone	Progesterone			
Testosterone	Testosterone			
Oestrogen	Oestrogen			
□-hCG				
Oestrone (E1)				
Oestradiol (E2)				

National Referral Hospital Laboratories (NRHL)	Regional Referral Hospital Laboratories (RRHL)	General Hospital Laboratories (GHL)	Health Centre IV Laboratories	Health Centre III Laboratories
Oestriol (E3)				
DHEA				
DHEA-S				
Prolactin				
Tumor Markers	Tumor Markers	Tumor Markers	Tumor Markers	Tumor Markers
PSA	Prostate antigen			
f PSA	Alpha fetoprotein			
CA 125 Ag	Occult Blood test			
CA 19-9 Ag	CA 19-9 Ag			
CA 15-3 Ag	CA 15-3 Ag			
CA 72-4 Ag	CA 72-4 Ag			
CEA				
B- h CG				
A-FP				
NSE				
S-100				
Cyfra 21-1				
Enolase				
Urine Chemistry	Urine Chemistry	Urine Chemistry	Urine Chemistry	Urine Chemistry
Bilirubin	Bilirubin	Bilirubin	Bilirubin	Bilirubin
Urobilinogen	Urobilinogen	Urobilinogen	Urobilinogen	Urobilinogen
Glucose	Glucose	Glucose	Glucose	Glucose
Ketones	Ketones	Ketones	Ketones	Ketones
Micro albumin	Micro albumin	Specific Gravity	Specific Gravity	Specific Gravity
Albumin	Albumin			
Specific Gravity	Specific Gravity			
Bences Jones				
CSF Chemistry	CSF Chemistry	CSF Chemistry	CSF Chemistry	CSF Chemistry
Protein	Protein	Protein		
Glucose	Glucose	Glucose		
Globulins	Globulins	Globulins		
Vanillylmandelic acid (VMA)				
Infectious Disease	Infectious Disease	Infectious Disease	Infectious Disease	Infectious Disease
Helicobacter pylori IgG/IgM	Helicobacter pylori IgG/IgM	Helicobacter pylori IgG/IgM	Helicobacter pylori IgG/IgM	Helicobacter pylori
HBsAg IgG	HBcAg IgG	HBcAg IgG		

National Referral Hospital Laboratories (NRHL)	Regional Referral Hospital Laboratories (RRHL)	General Hospital Laboratories (GHL)	Health Centre IV Laboratories	Health Centre III Laboratories
HBcAg IgG	HBeAg IgG	HBeAg IgG		
HBeAg IgG	Toxo IgG/IgM	Toxo IgG/IgM		
Toxo IgG/IgM	CMV IgG/IgM	CMV IgG/IgM		
CMV IgG/IgM				
HCV IgG/IgM				
Rubella IgG/IgM				
Measles IgG/IgM				
Mumps IgG/IgM				
HSV 1 IgG/IgM				
HSV 2 IgG/IgM				
HZV IgG/IgM				
MOLECULAR BIOLOGY TESTS				
GeneXpert	GeneXpert	GeneXpert		
Viral load for HIV Virus	Viral load for HIV Virus			
Viral load for Hepatitis B Virus	Viral load for Hepatitis B Virus			
TB DNA PCR	TB DNA PCR			
LPA	LPA			

Table 2: List Of Standardized Laboratory Supplies

ITEM DESCRIPTION	UNIT	LoC	VEN
HAEMATOLOGY			
Haematology reagents			
2% Turks Solution (WBCT Count)	500 ml	HC3	V
Drabkin solution	500 ml	HC3	V
Cyanmethemoglobin Standard	10 ml	HC3	V
Micro Cuvettes	100 ml	HC3	V
0.85% Sodium Chloride (Saline)	1000 ml	HC3	V
Phosphate buffers tablets	50 ml	HC3	V
ESR Tubes and Stand	Each	HC3	V
Sickle cell supplies			
Sodium metabisulphite	500 g	HC3	V
Beckman Coulter AcT 3&5 diff			
Haematology, Beckman Coulter, AcT5 diff, Calibrator, 2 x 2 ml	4 ml	HC IV	V
Haematology, Beckman Coulter, AcT 5diff, Control Plus, H, N, L, 6 x 2.3 ml	13.8 ml	HC IV	V
Haematology, BeckmanCoulter, AcT 5diff, Diluent	20 L	HC IV	V
Haematology, Beckman Coulter, AcT 5diff, Fix	1 L	HC IV	V
Haematology, BeckmanCoulter, AcT 5diff, Rinse	1 L	HC IV	V
Haematology, Beckman Coulter, AcT 5diff, WBC Lyse	1 L	HC IV	V
Haematology, Beckman Coulter, AcT Rinse Shutdown Diluent, EEC	500 ml	HC IV	V
Haematology, Beckman Coulter, AcT diff Pack, Reagent Kit, 15 L + 300 ml	300 ml	HC IV	V
Haematology, Beckman Coulter, AcT5 diff, Hgb Lyse	400 ml	HC IV	V
HumaCount 3&5 Diff			
Haematology, HumaCount, Cleaning Solution	1 L	HC4	V
Haematology, HumaCount, Cyanide Free Lyse Reagent	1 L	HC4	V
Haematology, HumaCount, Diluent	20 L	HC4	V
Haematology, HumaCount, Lyse Reagent for Basophils	1 L	GH	V
Haematology, HumaCount, Lyse Reagent for Eosinophils	1 L	GH	V
Haematology, HumaCount, Controls H, N, L 2 x 2.5 ml	5 ml	HC4	V
Haematology, HumaCount, Calibrators, 2 x 2.5 ml	10 ml	HC4	V
Haematology, HumaCount 5 L Controls	5 ml	GH	V
Sysmex 3&5 Diff (Sysmex XN 450, XSI000i, XNI000)			
Haematology, Sysmex, Cell pack DCL	20 L	RR	E
Haematology, Sysmex, Cell pack DFL	1.5 L	RR	E
Haematology, Sysmex, Cell Clean	50 ml	HC4	V
Haematology, Sysmex, Cell pack	20 L	HC4	V
Haematology, Sysmex, Lyser cell WDF	4 L	RR	E
Haematology, Sysmex, Lyser cell WNR	4 L	RR	E
Haematology, Sysmex, Lyser cell WPC	12 ml	RR	E

ITEM DESCRIPTION	UNIT	LoC	VEN
Haematology, Sysmex, Fluoro cell WDF	42 ml	RR	E
Haematology, Sysmex, Fluoro cell WNR	82 ml	RR	E
Haematology, Sysmex, Fluoro cell RET	12 ml	RR	E
Haematology, Sysmex, Fluoro cell PLT	12 ml	RR	E
Haematology, Sysmex, Fluoro cell WPC	12 ml	RR	E
Haematology, Sysmex, Stromatolyser 4DL	5 L	HC4	V
Haematology, Sysmex, Stromatolyser 4DS, 3 x 42 ml	126 ml	HC4	V
Haematology, Sysmex, Stromatolyser SWH, 3 x 500 ml	1500 ml	HC4	V
Haematology, Sysmex, Sulfolyser			
Haematology, Sysmex, Control E-Check (XS) High, 4 x 1.5 ml	6 ml	HC4	V
Haematology, Sysmex, Control E-Check (XS) Low, 4 x 1.5 ml	6 ml	HC4	V
Haematology, Sysmex, Control E-Check (XS) Normal, 4 x 1.5 ml	6 ml	HC4	V
Haematology, Sysmex, Eightcheck -H, 1.5 x 12 ml vials	18 ml	HC4	V
Haematology, Sysmex, Eightcheck -L, 1.5 x 12 ml vials	18 ml	HC4	V
Haematology, Sysmex, Eightcheck -N, 1.5 x 12 ml vials	18 ml	HC4	V
Haematology, Sysmex, XN check -L1, 8 x 6 ml vials	48 ml	RR	E
Haematology, Sysmex, XN check -L2, 8 x 6 ml vials	48 ml	RR	E
Haematology, Sysmex, XN check -L3, 8 x 6 ml vials	48 ml	RR	E
Haematology, Sysmex, XN BF L1&L2, 4 x 6 ml vials	24 ml	RR	E
Nihon Koden Coulter 3&5 Diff			
Haematology, Coulter, Isotonac 3 Diluent	20 L	HC4	V
Haematology, Coulter, Haemolynac 3N	1 ml	HC4	V
Haematology, Coulter, Haemolynac 5N	1 ml	HC4	V
Haematology, Coulter, Cleanac (Normal)	5 ml	HC4	V
Haematology, Coulter, Cleanac 3 (Strong)	5 ml	HC4	V
Haematology, Control, H, N, L (5ND)	2 ml	HC4	V
Haematology, Control, H, N, L (3DL)	2 ml	HC4	V
MINDRAY BC5600, BC 6800			
Haematology, Mindray-58/56 cleanser	4 L	HC4	V
Haematology, Mindray-58/56 LEO (II) lyse reagent	2 L	HC4	V
Haematology, Mindray-58/56 LH lyse reagent	2 L	HC4	V
Haematology, Mindray-58/56 LEO (I) lyse reagent	4 L	HC4	V
Haematology, Mindray-58/56 LBA lyse reagent	4 L	HC4	V
Haematology, Mindray-58/56 D diluent	20 L	HC4	V
Haematology, Mindray-68 DS diluent	20 L	RR	E
Haematology, Mindray-68 LB lyse	1 L	RR	E
Haematology, Mindray-68 LH lyse	1 L	RR	E
Haematology, Mindray-68 LD Lyse	1 L	RR	E

ITEM DESCRIPTION	UNIT	LoC	VEN
Haematology, Mindray-68 FD Dye	12 ml	RR	E
Haematology, Mindray-68 DR Diluent	1 L	RR	E
Haematology, Mindray-68 FR Dye	12 ml	RR	E
Haematology, Mindray-68 LN Lyse	1 L	RR	E
Haematology, Mindray-68 FN Dye	12 ml	RR	E
Haematology, Mindray-68 Cleanser	50 ml	RR	E
Haematology, Mindray-68 Controls 6D (6 x 4.5 ml)	27 ml	RR	E
Haematology, Mindray-68 Controls 6Ret (6 x 4.5 ml)	27 ml	RR	E
COAGULATION AND PLASMIN INHIBITOR SUPPLIES			
Sysmex CA 600			
Haematology, Sysmex CA- Actin FS	4 ml	NR	V
Haematology, Sysmex CA- Dade Inovance	15 ml	NR	V
Haematology, Sysmex CA- Calcium chloride solution	15 ml	NR	V
Haematology, Sysmex CA- Clean I	50 ml	NR	V
Haematology, Sysmex CA- Clean II	500 ml	NR	V
Haematology, Sysmex CA- IOV buffer	15 ml	NR	V
Haematology, Sysmex CA- Citrol I	1 ml	NR	V
Haematology, Sysmex CA- Citrol 2	1 ml	NR	V
Haematology, Sysmex CA- TT reagent	5 ml	RR	V
Haematology, Sysmex CA- FIB reagent	1 ml	RR	V
Haematology, Sysmex CA- P.T Mult-Calibrator	1 ml	RR	V
Haematology, Sysmex CA- Normal control	1 ml	RR	V
Haematology, Sysmex CA- Reaction tubes	Piece	RR	V
Haematology, Sysmex CA-Sample cups	Piece	RR	V
ACL Ellite			
Haematology, ACL-Ellite – Proclot - Coagulation Protein C	Test	NR	V
Haematology, ACL-Ellite – Proclot Diluent	100 ml	NR	V
Haematology, ACL-Ellite - Pt-Fibrinogen Hs Plus H.V	45 ml	NR	V
Haematology, ACL-Ellite – Sample Diluent	10 ml	RR	V
Haematology, ACL-Ellite – Reference Emulsion	200 ml	NR	V
Haematology, ACL-Ellite – Factor Diluent	10 ml	NR	V
Haematology, ACL-Ellite -Thrombin Time Kit	Test	RR	V
Haematology, ACL-Ellite – Hepatocomplex	Test	NR	V
Haematology, ACL-Ellite – Cleaning Solution	500 ml	NR	V
Haematology, ACL-Ellite – Cleaning Agent	80 ml	NR	V
Haematology, ACL-Ellite –Emulsion Wash-R Acl	1 L	NR	V
Haematology, ACL-Ellite – Von Willebrand Kit Ag	12 ml	NR	V
Haematology, ACL-Ellite – Protein S	Test	NR	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Haematology,ACL-Ellite – Pt Rgt Recomboplastin	45 ml	NR	V
Haematology,ACL-Ellite – Pt Rgt Recomboplastin	105 ml	NR	V
Haematology,ACL-Ellite – Von Willebrand Activity	9 ml	NR	V
Haematology,ACL-Ellite - APPT – SP	45 ml	RR	V
Haematology,ACL-Ellite – D-Dimer	Test	RR	V
Haematology,ACL-Ellite – Antithrombin	Test	NR	V
Haematology,ACL-Ellite – Plasminogen	9 ml	NR	V
Haematology,ACL-Ellite – Plasmin Inhibitor	9 ml	NR	V
Haematology,ACL-Ellite - Def.Plasma Factor XII	10 ml	NR	V
Haematology,ACL-Ellite - Def.Plasma Factor XI	10 ml	NR	V
Haematology,ACL-Ellite - Def.Plasma Factor V	10 ml	NR	V
Haematology,ACL-Ellite - Def.Plasma Factor VII	10 ml	NR	V
Haematology,ACL-Ellite - Def.Plasma Factor VIII	10 ml	NR	V
Haematology,ACL-Ellite - Def.Plasma Factor IX	10 ml	NR	V
Haematology,ACL-Ellite - Def.Plasma Factor II	10 ml	NR	V
Haematology,ACL-Ellite - Def.Factor VIII (Chromogenic)	Test	NR	V
Haematology,ACL-Ellite – Protein C	Test	NR	V
Haematology,ACL-Ellite - Fib-C	20 ml	NR	V
Haematology,ACL-Ellite – DRVVT Screen	20 ml	NR	V
Haematology,ACL-Ellite – DRVVT Confirm	20 ml	NR	V
Haematology,ACL-Ellite – Factor VIII ABN. Control	10 ml	NR	V
Haematology,ACL-Ellite – Normal Control Plasma	10 ml	NR	V
Haematology,ACL-Ellite - ABN. Control Plasma Low	10 ml	NR	V
Haematology,ACL-Ellite - ABN. Control Plasma High	10 ml	NR	V
Haematology,ACL-Ellite - Calibration Plasma	10 ml	RR	V
Haematology,ACL-Ellite – Low Fibrinogen Control	10 ml	RR	V
Haematology,ACL-Ellite – D-dimer Control 2 Level	10 ml	RR	V
Haematology,ACL-Ellite – Special Control Test 1	10 ml	NR	V
Haematology,ACL-Ellite – Special Control Test 2	10 ml	NR	V
Haematology,ACL-Ellite –La Positive Control	10 ml	RR	V
Haematology,ACL-Ellite – La Negative Control	10 ml	RR	V
Haematology,ACL-Ellite – Clear Sample Cup 0.5 ml	1 L	RR	V
Haematology,ACL-Ellite – Rotors (20 Pos)	Piece	RR	V
Haematology,ACL-Ellite –Magnetic Stirrer	Piece	RR	V
Satellite Stago			
Haematology, Satellite Stago – STA Micro-container	Piece	NR	V
Haematology, Satellite Stago - Micro-cups	Piece	NR	V
Haematology, Satellite Stago - Max Reducer	Piece	NR	V
Haematology, Satellite Stago - Mini Reducer	Piece	NR	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Haematology, Satellite Stago - White stirring magnet	Piece	NR	V
Haematology, Satellite Stago - STA Satellite Cuvettes	Piece	NR	V
Haematology, Satellite Stago – STA Neoplastin CI +5	30 ml	NR	V
Haematology, Satellite Stago - STA PTT Automate 5	60 ml	NR	V
Haematology, Satellite Stago - STA CaCl 2 0.025 ml	360 ml	NR	V
Haematology, Satellite Stago - STA Owren Koller	360 ml	NR	V
Haematology, Satellite Stago - STA Coag Control N+P	24 ml	NR	V
Haematology, Satellite Stago - Star Cleaner Solution	15 L	NR	V
Haematology, Satellite Stago - STA Desorb U	360 ml	NR	V
Minicap electrophoresis			
Haematology, Minicap – Hemoglobin	1.5 L	NR	V
Haematology, Minicap – Serum protein	1.5 L	NR	V
Haematology, Minicap – Urine protein	1.5 L	NR	V
Haematology, Minicap – HbA1C	150 ml	NR	V
Haematology, Minicap - Carbohydrate deficient transferrin (CDT) for Alcohol abuse)	200 ml	NR	V
Haematology, Minicap - Hemoglobin controls	10 ml	NR	V
Haematology, Minicap – Protein Controls	10 ml	NR	V
Haematology, Minicap – HbA1C controls	10 ml	NR	V
Haematology, Minicap – CDT controls	10 ml	NR	V
SEROLOGY			
Rapid testing			
HIV 1/2, Determine Complete HIV Kit, 100 Test	Test	HC2	V
HIV 1/2, Stat-Pak Dipstick Assay Kit, 30 Test	Test	HC2	V
HIV 1/2, Bioline 3.0 Kit, Complete 25 Test	Test	HC2	V
HIV 1/2, HIV/Syphilis DOU HIV Kit, 25 Test	Test	HC2	V
Syphilis, RPR Kit, 50 Test	Test	HC2	V
HIV-1/2, Sure Check HIV Self Test, 1 Test	Test	HC2	V
HIV-1/2, OraQuick Rapid Antibody Test, 1 Test	Test	HC2	V
HIV-1/2, CheckNOW Self Test, 1 Test	Test	HC2	V
Wondflo HIV 1/2 , Self Test, 20 Tests	Test	HC2	V
Malaria Antigen Pf/Pan Kit, 25 Test dipstick	Test	HC2	V
Visitect CD4 Advanced Disease, 25 Tests	Test	HC3	V
Hepatitis, HBsAg Screening Kit, 25 Test	Test	HC2	V
Hepatitis, HCsAg Screening Kit, 25 Test	Test	HC3	V
Latex Agglutination Test Kit, Cryptococcus, Antigen, 50 Test	Test	HC3	V
Brucella abortus Ag	5 ml	HC3	V
HCG pregnancy test strips	Test	HC2	V
Anti Streptolysin O-Test (ASOT)	Test	HC4	E

ITEM DESCRIPTION	UNIT	LoC	VEN
Typhoid ag/antigen screening test	Test	HC3	V
Rheumatoid factor screening test	Test	HC3	V
Toxoplasma IgG and IgM	Test	HC4	E
CMV IgG/IgM	Test	HC4	E
CFLOWYOMETRY			
BD Fasc Calibur			
Flow Cytometry, BD FACS, Clean Solution	5 L	H	V
Flow Cytometry, BD FACS, FACSTFlow Sheath Fluid, 20 L	Test	H	V
Flow Cytometry, BD FACS, Lysing Solution 10 x, 500 Test, 100 ml	Test	H	V
Flow Cytometry, BD FACS, MultiTest CD3/CD8/CD45/CD4 with Trucount Tubes, 50 Test	Test	H	V
Flow Cytometry, BD FACS, Rinse Solution	5 L	H	V
Flow Cytometry, BD FACS, Trucount Controls, 30 Test	250 ml	H	V
Flow Cytometry, BD FACSCalibur, Calibrite 3 Color Beads Kit, IVD, 25 Test	Test	H	V
Flow Cytometry, BD FACSCalibur, Calibrite APC Beads, 25 Test	Test	H	V
BD Presto			
Flow Cytometry, BD Presto Cartridges, 100 Test	Test	HC3	V
Partec CyFlow			
Flow Cytometry, CyFlow, CD4% Easy Count Kit - dry, 100 Test	2.5 ml	HC3	E
Flow Cytometry, CyFlow, Cleaning Solution	250 ml	HC3	E
Flow Cytometry, CyFlow, CountCheck Beads, Green - dry, 50 Test	Test	HC3	E
Flow Cytometry, CyFlow, Decontamination Solution	250 ml	HC3	E
Flow Cytometry, CyFlow, Sample Tubes, 3.5 ml, 500 PC	Piece	HC3	E
Flow Cytometry, CyFlow, Sheath Fluid, 5 L	5 L	HC3	E
Flow Cytometry, CyFlow, Sodium Hypochlorite Solution, 0.5%, 250 ml	250 ml	HC3	E
Flow Cytometry, CyFlow, Thermal Paper, 5 Rolls	Rolls	HC3	E
Pima CD4 Machine			
Flow Cytometry, Pima, Bead Standard, 1 Normal Cartridge, 1 Low Cartridge	Each	HC3	V
Flow Cytometry, Pima, CD4 Cartridge Kit, 100 Test	Test	HC3	V
Flow Cytometry, Pima, Finger Stick Sample Collection Kit, 100 Units	Test	HC3	V
Flow Cytometry, Pima, Printer with 1 Roll Thermal Paper	Roll	HC3	V
BIOCHEMISTRY			
Urine biochemistry			
Glucometer, Test Strips, 50 pieces	Test	HC3	V
Test Strips, Urinalysis Strips, 10 Parameters	Test	HC3	V
Test Strips, Urinalysis Strips, 3 Parameters	Test	HC2	V
Cobas CIII /Cobas 311/Integra 400/6000/Cobas H32/Cobas E411			
Biochemistry, Cobas c111, ALP IFCC gen.2 Cobas c111	Test	HC4	V
Biochemistry, Cobas c111, ALT (Alanine aminotransferase)	Test	HC4	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Biochemistry, Cobas c111,AST (Aspartate aminotransferase)	Test	HC4	V
Biochemistry, Cobas c111, Bilirubin direct Cobas c111	100 ml	HC4	V
Biochemistry, Cobas c111, Bilirubin total Gen.3 UN3316	36 ml	HC4	V
Biochemistry, Cobas c/Integra ALP IFCC gen.2	Test	GH	V
Biochemistry, Cobas c/Integra ALT	Test	GH	V
Biochemistry, Cobas c/Integra amylase ver.2	Test	GH	V
Biochemistry, Cobas c/Integra AST	Test	GH	V
Biochemistry, Cobas c/Integra Bilirubin Direct Gen.2	Test	GH	V
Biochemistry, Cobas c/Integra bilirubin total Gen.3 UN3316	Test	GH	V
Biochemistry, Cobas c/Integra Albumin BCG (ALB2) 4 x 100 Test	Test	GH	V
Biochemistry, Cobas c/Integra Y-Glutamyltransferase Ver2, GGT-2,200 test	Test	GH	V
Biochemistry, Cobas c/Integra Glucose HK Gen.3	Test	GH	V
Biochemistry, Cobas c/Integra Total Protein Gen.2 UNI824	Test	GH	V
Biochemistry, Cobas c111, Total Protein Gen.2 Cobas c111 UNI824	Test	HC4	V
Biochemistry, Cobas c111, Glucose HK Cobas c111	Test	HC4	V
Biochemistry, Cobas c/Integra Creatinine Jaffe gen.2 UNI814	Test	GH	V
Biochemistry, Cobas c111, Creatinine Jaffe Gen.2 Cobas c111 UNI814	700 ml	HC4	V
Biochemistry, Cobas c/Integra Urea/BUN	test	GH	V
Biochemistry, Cobas c/Integra Uric acid ver.2	Test	GH	V
Biochemistry, Cobas c111, Urea/BUN (blood urea nitrogen) Cobas c111	500 ml	GH	V
Biochemistry, Cobas c/Integra LDL Cholesterol gen2	Test	GH	V
Biochemistry, Cobas c/Integra Cholesterol Gen.2	Test	H	V
Biochemistry, Cobas c/Integra, HDL Cholesterol	Test	H	V
Biochemistry, Cobas c/Integra Triglycerides	Test	H	V
Biochemistry, Cobas c/Integra, ISE chloride (Cl) electrode Cobas c311	Each	GH	V
Biochemistry, Cobas c/Integra, ISE potassium (K) electrode Cobas c311	Each	GH	V
Biochemistry, Cobas c/Integra, ISE sodium (Na) electrode Cobas c311	Each	GH	V
Biochemistry, Cobas c/Integra, ISE reference electrode Cobas c311	Each	GH	V
Biochemistry, Cobas c111 ISE potassium (K) electrode Cobas c111	Each	HC4	V
Biochemistry, Cobas c111, ISE chloride (Cl) electrode Cobas c111	Each	HC4	V
Biochemistry, Cobas c111, ISE sodium (Na) electrode Cobas c111	Each	HC4	V
What Biochemistry, Cobas c111, ISE reference electrode Cobas c111	Each	HC4	V
Biochemistry, Cobas c111, ISE reference solution Cobas c111	1 ml	HC4	V
Biochemistry, Cobas c ISE standard high	Each	HC4	V
Biochemistry, Cobas c ISE standard low	Each	HC4	V
Biochemistry, COBAS c, C111, ISE Calib. Ind./Urine	Each	HC4	V
Biochemistry, COBAS c, C111, ISE Calibration Kit	Each	HC4	V
Biochemistry, Cobas c111, ISE deproteinizer	Piece	HC4	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Biochemistry, Cobas c111, ISE etcher	Each	HC4	V
Biochemistry, Cobas c311/501 internal standard insert, ISE	22 ml	GH	N
Biochemistry, Cobas c311/501 ISE diluent Gen.2	3.6 L	GH	V
Biochemistry, Cobas c/integra/e411 -Magnesium Reagent	Test	RR	E
Biochemistry, Cobas c/integra/e411 -Lithium Reagent	Test	RR	E
Biochemistry, Cobas c/integra/e411 – Calcium Reagents 300 Test	Test	RR	E
Biochemistry, Cobas c/Integra, Lactate Dehydrogenase Reagent	Test	GH	E
Biochemistry, Cobas c/Integra Creatine Kinase	Test	GH	E
Biochemistry, Cobas c/Integra Creatine Kinase MB	Test	GH	E
Biochemistry, Cobas c/c-Reactive Protein Kit	300 ml	GH	E
Biochemistry, Cobas H 232 Control Troponin T	2 ml	NR	V
Biochemistry, Cobas H 232 T Assay Strips	Test	NR	V
Biochemistry, Cobas H 232 PRO BNP assay strips	Test	NR	V
Biochemistry, Cobas c/integra/H/e411, Pro Brain Natriuretic Peptide	Test	NR	V
Biochemistry, Cobas c/integra/H/e411, Procollagen Type I Intact N-Terminal Peptide Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411 –Troponin	Test	NR	V
Biochemistry, Cobas c/integra/e411 AFP 100 test	Test	GH	E
Biochemistry, Cobas c/integra/e411 - Spec- Chem-Ca19-9 Ag Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411 - Spec- Chem-CA 15-3 Ag Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411 - Spec- Chem-CA 72-4 Ag Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411 -Total Prostatic Specific Antigen(PSA)	Test	GH	E
Biochemistry, Cobas c/integra/e411 -Free Prostatic Surface Antigen	Test	GH	E
Biochemistry, Cobas c/integra/e411 -Carcino Embryonic Antigen Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411 -Carcinoma Antigen 125 Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411 -Beta Human Chorionic Gonadotrophic	Test	NR	V
Biochemistry, Cobas c/integra/e411, Neurone Specific Enolase Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411 FT3 III 200 test	Test	GH	E
Biochemistry, Cobas c/integra/e411 FT4 II 200 test	Test	GH	E
Biochemistry, Cobas c/integra/e411, Free Tri-Iodo-Thyronine Reagent	Test	GH	E
Biochemistry, Cobas c/integra/e411, Total Tri-Iodo Thyronine Reagent	Test	GH	E
Biochemistry, Cobas c/integra/e411, Anti Thyroid Peroxidase Reagent	Test	GH	E
Biochemistry, Cobas c/integra/e411 TSH 200 test	Test	GH	E
Biochemistry, Cobas c/integra/e411 -Parathyroid Hormone Reagent	Test	RR	E
Biochemistry, Cobas c/integra/e411 Cortisol 100 test	Test	GH	E
Biochemistry, Cobas c/integra/e411 Estradiol II 100 test	Test	RR	E
Biochemistry, Cobas c/integra/e411 Ferritin 100 test	Test	RR	E
Biochemistry, Cobas c/integra/e411 FSH 100 test	Test	GH	E
Biochemistry, Cobas c/integra/e411 LH 100 test	Test	GH	E

ITEM DESCRIPTION	UNIT	LoC	VEN
Biochemistry, Cobas c/integra/e411 Progesterone II 100 test	Test	GH	E
Biochemistry, Cobas c/integra/e411 Prolactin II 100 test	Test	RR	E
Biochemistry, Cobasc/integra/e411 Testosterone II 100 test	Test	GH	E
Biochemistry, Cobas c/integra/e411, Pregnancy Associated Plasma Protein	Test	RR	E
Biochemistry, Cobas c/integra/e411s -Adreno Cortico Hormone Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411s -Adreno Cortico Tropic Hormone	Test	NR	V
Biochemistry, Cobas c/integra/e411, Cyclic Citrullinated Peptide Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411, Cytokeratin-21-I Fragment Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411 -Toxoplasma Immunoglobulin M	Test	NR	E
Biochemistry, Cobas c/integra/e411 -Toxoplasma Immunoglobulin G	Test	NR	E
Biochemistry, Cobas c/integra/e411, Rubella Immunoglobulin G Reagent	Test	NR	E
Biochemistry, Cobas c/integra/e411, Rubella Immunoglobulin M Reagent	Test	NR	E
Biochemistry, Cobas c/integra/e411, Cytomegally Virus Immunoglobulin G	Test	NR	E
Biochemistry, Cobas c/integra/e411, Cytomegally Virus ImmunoglobulinM	Test	NR	E
Biochemistry, Cobas c/integra/e411, Hepatitis B Envelope Antigen Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411, Hepatitis B Virus Immunoglobulin M 100 Test	Test	NR	V
Biochemistry, Cobas c/integra/e411 -Hepatitis B Virus Core Immunoglobulin G	Test	RR	E
Biochemistry, Cobas c/integra/e411 -Bicarbonate Reagent (Ammonia)	Test	RR	E
Biochemistry, Cobas c/integra/e411 -Inorganic Phosphate Reagent	Test	RR	E
Biochemistry, Cobas c/Integra Lactate	Test	GH	E
Biochemistry, Cobas c/Integra Lipase	Test	GH	E
Biochemistry, Cobas c/integra/e411 -Ferritin Reagent	Test	RR	E
Biochemistry, Cobas c/integra/e411 - Iron Reagent	Test	RR	E
Biochemistry, Cobas c/integra/e411 -Hyper Glycated Hemoglobin Reagent	Test	RR	E
Biochemistry, Cobas c/integra/e411 CF HBA1C100 test	Test	RR	E
Biochemistry, Cobas c/integra/e411 Vitamin B12 100 test UNI824	Test	RR	E
Biochemistry, Cobas c/integra/e411 Folate III 100tst UNI824	Test	RR	E
Biochemistry, Cobas c/integra/e411, Interleukin 6	Test	NR	V
Biochemistry, Cobas c/Integra, Calibrator for automated systems (Cfas)	24 ml	HC4	V
Biochemistry, Cobas c/Integra, preci control ClinChem multi 1	20 ml	HC4	V
Biochemistry, Cobas c/Integra, preci control ClinChem multi 2	20 ml	HC4	V
Biochemistry, Cobas -Preci control varia (Normal & High)	4 ml	GH	E
Biochemistry, Cobas -Ammonia (Bicarbonate) control (Normal & High)	4 ml	RR	E
Biochemistry, Cobas -Preci Control Universal (Normal & High)	4 ml	HC4	V
Biochemistry, Cobas -Toxo IgM, Hep B Core IgM, Toxo IgG, HepBsAg	2 ml	RR	E
Calset Calibrators			
Biochemistry, Cobas c Cfas lipids, 3 x 1 ml	2 ml	HC4	V
Biochemistry, Cobas -CF HBA1C	3 ml	RR	E

ITEM DESCRIPTION	UNIT	LoC	VEN
Biochemistry, Cobas c Cfas CK-MB, 3 x 1 ml	3 ml	RR	E
Biochemistry, Cobas c Cfas proteins, 5 x 1 ml	2 ml	HC4	V
Biochemistry, Cobas -Ammonia (Bicarbonate) Calibrator	2 ml	RR	E
Biochemistry, Cobas -Total Thyroxine Calset Calibrator	2 ml	GH	E
Biochemistry, Cobas -Free Thyroxine Calset Calibrator	2 ml	GH	E
Biochemistry, Cobas -Tri-iodo Thyroxine Calset Calibrator	2 ml	GH	E
Biochemistry, Cobas -Follicle Stimulating Hormone Calset Calibrator	2 ml	GH	E
Biochemistry, Cobas -Luteinizing Hormone Calset Calibrator	2 ml	GH	E
Biochemistry, Cobas -Thyroid Stimulating Hormone Calset Calibrator	2 ml	GH	E
Biochemistry, Cobas -Prolactin Calset Calibrator	2 ml	RR	E
Biochemistry, Cobas -Alpha Feto Protein Calset Calibrator	2 ml	GH	E
Biochemistry, Cobas -Estradiol Calset Calibrator	2 ml	RR	E
Biochemistry, Cobas -Progesterone Calset Calibrator	2 ml	GH	E
Biochemistry, Cobas -Human Chorionic Gonadotropic Calset Calibrator	2 ml	RR	E
Biochemistry, Cobas -Testosterone Calset Calibrator	2 ml	GH	E
Biochemistry, Cobas -Carcino Embryonic Antigen Calset Calibrator	2 ml	RR	E
Biochemistry, Cobas -Carcinoma Antigen 125 Calset Calibrator	2 ml	RR	E
Biochemistry, Cobas -Troponin Calset Calibrator	2 ml	NR	E
Biochemistry, Cobas -Total Prostatic Specific Antigen Calset Calibrator	2 ml	RR	E
Biochemistry, Cobas -Parathyroid Hormone Calset Calibrator	2 ml	RR	E
Biochemistry, Cobas -Adreno-Cortico Hormone Calset Calibrator	2 ml	RR	E
Biochemistry, Cobas -Cortisol Calset Calibrator	2 ml	GH	E
Biochemistry, Cobas -C reactive protein Calibrator	2 ml	GH	E
Biochemistry, Cobas -CFAS CKMB Calibrator	2 ml	GH	E
Biochemistry, Cobas -Preci Control Tumour makers	2 ml	GH	E
Biochemistry, Cobas -Preci Control Cardiac	Each	GH	E
Biochemistry, Cobas -Preci control Infectious disease	Each	GH	E
Biochemistry, Cobas c/Integra activator	108 ml	HC4	V
Biochemistry, Cobas c/Integra, Lamp halogen 12V/50W for Cobas c311	Kit	HC4	V
Biochemistry, Cobas c/Integra, sample cups, 2 ml	Piece	HC4	V
Biochemistry, Cobas c cell wash solution I / NaOH-D UNI824	Kit	HC4	V
Biochemistry, Cobas c cell wash solution II / Acid Wash	Kit	HC4	V
Biochemistry, Cobas c III, Cleaner UNI824	30 ml	HC4	V
Biochemistry, Cobas c III, Diluent NaCl 9% 6*23 ml	39.2 ml	HC4	V
Biochemistry, Cobas c III, Lamp halogen 12V/20W for Cobas c III	Piece	HC4	V
Biochemistry, Cobas c III, Micro cuvette segment 1680PC	Piece	HC4	V
Biochemistry, Cobas c III, Probe, set of 2 pieces	Piece	HC4	V
Biochemistry, Cobas c III, Reagent disc, 27 slots	Piece	HC4	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Biochemistry, Cobas c111, Thermal printer paper	Piece	HC4	V
Biochemistry, Cobas c311 reaction cell set	48 ml	HC4	V
Biochemistry, Cobas c311/501 detergent NaOH-D UNI824	230 ml	HC4	V
Biochemistry, Cobas c311/501 sample cleaner I UNI824	100 ml	HC4	V
Biochemistry, Cobas c311/501 wash reagent SMS UNI789	Kit	HC4	V
Biochemistry, Cobas c/Integra, cleaner UNI789	Kit	HC4	V
Biochemistry, Cobas c311/501/502 diluent NaCl 9%	Kit	HC4	V
Biochemistry, Cobas/Elecsys cleaning solution (SysClean) UNI824	Kit	HC4	V
Biochemistry, Cobas c/integra/e411 system solution (ProCell)	50 ml	GH	V
Biochemistry, Cobas c/integra/e411 SysWash	3 L	GH	V
Biochemistry, Cobas c/Integra, c311 Ecotergent	Test	GH	V
Blood Gas Analyser			
Biochemistry, Paper, Thermal, Printer Roll Opticca -Ts2	Rolls	RR	E
Biochemistry, Capillary Tubes, Glass Heparinised 200 µl 250 Per Box	Piece	RR	E
Biochemistry, Control S, Cvc 123, Linearity, 4 Amp/5levels, Opticca, Opticca-Ts, Opti R, Opti Lion, Optic Ca-Ts2	2 ml	RR	E
Controls, Opti-Check, Ph/Bg/Elec/Glu, Tri-Level, 10 amp/Level, Opticca, Opticca-Ts, Opti Cca-Ts2	2 ml	RR	E
Biochemistry, Controls, Opti-Check Plus, Ph/Bg/Elec/Glu, Tri-Level, 10 amp/Level, Opticca, Opticca-Ts, Opti Cca-Ts2	2 ml	RR	E
Biochemistry, Cassette, Calibration, Opti Cca-Ts2	2 ml	RR	E
Biochemistry, Cassette, Standard Reference (Src) –Multi-Level, Opticca-Ts2	Piece	RR	E
Biochemistry, Cassette, E-Cl, 25 Per Box, Opti R Bp 7162 Bottle, Gas, Low Pressure, Opti Cca-T	Test	RR	E
Biochemistry, Comfort Sampler, Bulk Pack With Needle & Protector, 240 µl, 300 Per Box	Piece	RR	E
Biochemistry, Pump	Piece	RR	E
Electrophoresis Machine Pretty			
Biochemistry, Serum Protein Electrophoresis Kit 6 Samples Per Gel 60 Test	Test	NR	V
Biochemistry, Agarose Gel Plate 10 Per Kit	Kit	NR	V
Biochemistry, Buffered Sponges 2 Pieces Per Pack	Piece	NR	V
Biochemistry, Acid Blue bottle	500 ml	NR	V
Biochemistry, Disposable Sample Plates 10 Pieces Per Pack	Piece	NR	V
Biochemistry, Blotters A 10 X 10 Size 10 Pieces Per Pack	Piece	NR	V
Biochemistry, Destain Solution 6 x 100 ml Per Pack	600 ml	NR	V
Biochemistry, Normal Serum Control 6 vials Per Pack	Vial	NR	V
Biochemistry, Abnormal Serum Control 3 Vials Per Pack	Vial	NR	V
Biochemistry, Stain Bottle Per Pack Filters 30 Pieces	Piece	NR	V
Biochemistry, Alkaline Hb-Electrophoresis Kit 6 Test Per Gel	Test	NR	V
Biochemistry, haemoglobin Control Afsa 2 0.5 ml Per Vial	20.5 ml	NR	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Biochemistry, haemoglobin Control Solution Afsc 0.5 ml Per Vial	0.5 ml	NR	V
Humastar 80/100/200 /600 & Humalyte Plus			
Biochemistry, Human, GOT (ASAT) IFCC modified LiquiUV Kit, 10 x 10 ml	100 ml	HC4	V
Biochemistry, Human, GPT (ALAT) IFCC modified LiquiUV Kit, 10 x 10 ml	100 ml	HC4	V
Biochemistry, Human, Alkaline Phosphatase Liquicolor Kit, 10 x 10 ml	100 ml	HC4	V
Biochemistry, Human, Gamma-GT Liquicolor, 8 x 50 ml	400 ml	GH	V
Biochemistry, Human, Total Protein Liquicolor, 4 x 100 ml	400 ml	HC4	V
Biochemistry, Human, Albumin Liquicolor, 4 x 100 ml	400 ml	GH	V
Biochemistry, Human, Alpha-Amylase Liquicolor Kit, 6 x 50 ml	300 ml	HC4	V
Biochemistry, Human, Bilirubin Direct, 375 ml	375 ml	HC4	V
Biochemistry, Human, Bilirubin Direct/Total Liquicolor Complete Kit, 2 x 100 ml	200 ml	HC4	V
Biochemistry, Human, Glucose Liquicolor Enzymatic Colorimetric Test, Complete Kit, 4 x 100 ml	400 ml	HC4	V
Biochemistry, Human, Urea Liquicolor Enzymatic Colorimetric Test, Complete Kit, 200 ml	200 ml	HC4	V
Biochemistry, Human, Creatinine Liquicolor Colorimetric Test, Complete Kit, 200 ml	200 ml	HC4	V
Biochemistry, Human, Uric Acid Liquicolor, 4 x 100 ml	400 ml	HC4	N
Biochemistry, Human, Auto-Creatinine Liquicolor Kit, 2 x 100 ml + 50 ml	300 ml	HC4	V
Biochemistry, Human, LDH SCE mod. liquiUV Modified SCE method, Complete Kit, 10 x 10 ml	100 ml	GH	V
Biochemistry, Human, LDL Cholesterol Liquicolor Colorimetric Test, Complete Kit, 200 ml	200 ml	GH	V
Biochemistry, Human, Cholesterol Liquicolor, Complete Kit, 4 x 100 ml	400 ml	GH	V
Biochemistry, Human, Triglycerides Liquicolor Mono, Complete Kit, 4 x 100 ml	400 ml	GH	V
Biochemistry, Human, CK NAC activated liquiUV, 10 x 10 ml	100 ml	GH	E
Biochemistry, Human, Creatinine Kinase-MB, Complete Kit, 20 x 3 ml	60 ml	GH	E
Biochemistry, Human, Iron Liquicolor, 2 x 30 ml	60 ml	GH	E
Biochemistry, Human, Lactate	Test	GH	E
Biochemistry, Human, Lipase	Test	GH	E
Biochemistry, Human, Ferritin Reagent	Test	GH	E
Biochemistry, Human HbA1C 100 test	Test	GH	E
Biochemistry, Human, K Electrode	Each	HC4	V
Biochemistry, Human, Na Electrode	Each	HC4	V
Biochemistry, Human, Cl Electrode	Each	HC4	V
Biochemistry, Human, Ref. Electrode	Each	HC4	V
Biochemistry, Human, ISE Standard Pack	710 ml	HC4	V
Biochemistry, Human, Humalyte Na/pH Condition Solution 100 ml	100 ml	HC4	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Biochemistry, Human, Humalyte Urine Diluent	250 ml	HC4	V
Biochemistry, Human, Humalyte, Ca Filling Solution	100 ml	HC4	V
Biochemistry, Human, Humalyte, Daily Cleaning Solution	100 ml	HC4	V
Biochemistry, Human, Humalyte,K Filling Solution	100 ml	HC4	V
Biochemistry, Human, Humalyte, Na Conditioner	100 ml	HC4	V
Biochemistry, Human, Humalyte, Na/Cl Filling Solution	100 ml	HC4	V
Biochemistry, Human, Humalyte, QC Solution	100 ml	HC4	V
Biochemistry, Human, Humalyte, Ref. Filling Solution	100 ml	HC4	V
Biochemistry, Human, ISE Cleaner 6 x 20 ml	120 ml	HC4	V
Biochemistry, Human, ISE Urine Diluent 4 x 20 ml	80 ml	HC4	V
Biochemistry, Human, Calcium Liquicolor, 3*430	Test	RR	E
Biochemistry, Human, Magnesium Liquicolor, 4*60	Test	RR	E
Biochemistry, Human, Phosphorus Liquirapid, 4*60	Test	HC4	N
Biochemistry, Human, Control Sera, Autocal Kit, 4 x 5 ml	20 ml	HC4	V
Biochemistry, Human, Control Sera, HumaTrol N Kit, 6 x 5 ml	30 ml	HC4	V
Biochemistry, Human, Control Sera, HumaTrol P Kit, 6 x 5 ml	30 ml	HC4	V
Biochemistry, Human, Humastar 600 Serodos	12 ml	HC4	V
Biochemistry, Human, Humastar 600 Serodos plus	12 ml	HC4	V
Biochemistry, Human, Humalyte Cleaning Solution 50 ml	50 ml	HC4	V
Biochemistry, MultiCal I, Serum Protein Multi-Calibrator, 5 x 2 ml	10 ml	HC4	V
Biochemistry, Multical, HDL and LDL, Lyophilized, 5 x 5 ml	25 ml	HC4	V
Biochemistry, Multitrol Normal, Lyophilized, 10 x 5 ml	50 ml	HC4	V
Biochemistry, Multitrol Pathological, Lyophilized, 10 x 5 ml	50 ml	HC4	V
Biochemistry, Humalyser, Exatrol Normal, 10 x 5 ml	50 ml	HC4	V
Biochemistry, Human, ISE Tri-Level QC kit 3 x 10 ml	30 ml	HC4	V
Biochemistry, Human, CK-MB Control 4 x 2 ml	12 ml	GH	E
Biochemistry, Human, CK-MB Calibrator 2 x 1 ml	2 ml	GH	E
Biochemistry, Humalyzer 2000 Cuvettes, 1000 Pc	Piece	HC4	V
Biochemistry, Humalyzer 2000/3000 Lamp	Each	HC4	V
Biochemistry, Humalyzer, Flow Cell Cleaner	100 ml	HC4	V
Biochemistry, Human, Humalyte, Sample Cups, 2ml, 500 pc	Piece	HC4	V
Biochemistry, Human, Humalyte, Thermal Paper, White, 57 x 50 x 11 mm, 5 Rolls	Roll	GH	V
Biochemistry, Human, Humalyte, Weekly Cleaning Solution, 100 ml	100 ml	GH	V
Biochemistry, Human, Humalyte, Reagent Pack, 1000 ml	1 L	GH	V
Biochemistry, Human, Humalyte Solution Reagent Pack Complete	Each	GH	V
Biochemistry, Human, Humastar 600 Diluent	20 L	GH	V
Biochemistry, Human, Humastar 600 Reactive cuvettes	Piece	GH	V
Biochemistry, Human, Humastar 600 Tip cleaning kit H 600	Piece	GH	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Biochemistry, Human, Humalyte Plus 3 Thermal printer paper	Rolls	GH	V
Biochemistry, Human, Humastar 600 Wash additive	I L	GH	V
Mindray BS480			
Biochemistry, Mindray BS-480, Aspartate Aminotransferase Kit	Test	NR	V
Biochemistry, Mindray BS-480, Albumin Kit	Test	NR	V
Biochemistry, Mindray BS-480, Alkaline Phosphatase Kit	Test	NR	V
Biochemistry, Mindray BS-480, Alanine Aminotransferase Kit	Test	NR	V
Biochemistry, Mindray BS-480, Bilirubin Direct Kit	Test	NR	V
Biochemistry, Mindray BS-480, Bilirubin Total Kit	Test	NR	V
Biochemistry, Mindray BS-480, □-Amylase Kit	Test	NR	V
Biochemistry, Mindray BS-480, Gamma–Glutamyltransferase Kit	Test	NR	V
Biochemistry, Mindray BS-480, Glucose Kit	Test	NR	V
Biochemistry, Mindray BS-480, Prealbumin Kit	Test	NR	V
Biochemistry, Mindray BS-480, Total Bile Acids Kit	Test	NR	V
Biochemistry, Mindray BS-480, Total Protein Kit	Test	NR	V
Biochemistry, Mindray BS-480, Microalbumin* ^C)	Test	NR	V
Biochemistry, Mindray BS-480, Creatinine Kit	Test	NR	V
Biochemistry, Mindray BS-480, Uric Acid Kit	Test	NR	V
Biochemistry, Mindray BS-480, Urea Kit	Test	NR	V
Biochemistry, Mindray BS-480, Cystatine – C	Test	NR	V
Biochemistry, Mindray BS-480, Total Cholesterol Kit	Test	NR	V
Biochemistry, Mindray BS-480, Triglycerides Kit	Test	NR	V
Biochemistry, Mindray BS-480, HDL-Cholesterol Kit	Test	NR	V
Biochemistry, Mindray BS-480, LDL-Cholesterol Kit	Test	NR	V
Biochemistry, Mindray BS-480, Lipoprotein (A) Kit	Test	NR	V
Biochemistry, Mindray BS-480, Complement C3 Kit	Test	NR	V
Biochemistry, Mindray BS-480, Complement C4 Kit	Test	NR	V
Biochemistry, Mindray BS-480, Apolipoprotein A1 Kit	Test	NR	V
Biochemistry, Mindray BS-480, Apolipoprotein B Kit	Test	NR	V
Biochemistry, Mindray BS-480, Creatine Kinase Kit	Test	NR	V
Biochemistry, Mindray BS-480, Creatine Kinase-MB Kit	Test	NR	V
Biochemistry, Mindray BS-480, Lactate Dehydrogenase Kit	Test	NR	V
Biochemistry, Mindray BS-480, C-Reactive Protein Kit	Test	NR	V
Biochemistry, Mindray BS-480, Myoglobine (C)	Test	NR	V
Biochemistry, Mindray BS-480, High Sensitivity CRP (C And Q)	Test	NR	V
Biochemistry, Mindray BS-480, Antistreptolysin O (C And Q)	Test	NR	V
Biochemistry, Mindray BS-480, Immunoglobulin E (C)	Test	NR	V
Biochemistry, Mindray BS-480, Immunoglobulin A Kit	Test	NR	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Biochemistry, Mindray BS-480, Immunoglobulin G Kit	Test	NR	V
Biochemistry, Mindray BS-480, Immunoglobulin M Kit	Test	NR	V
Biochemistry, Mindray BS-480, B2-Microglobuline	Test	NR	V
Biochemistry, Mindray BS-480, Haemoglobin A1c (C And Q)	Test	NR	V
Biochemistry, Mindray BS-480, Homocysteine (C And Q)	Test	NR	V
Biochemistry, Mindray BS-480, Lipase (C And Q)	Test	NR	V
Biochemistry, Mindray BS-480, Iron (C And Q)	Test	NR	V
Biochemistry, Mindray BS-480, Transferrin (C)	Test	NR	V
Biochemistry, Mindray BS-480, Ferritin (C)	Test	NR	V
Biochemistry, Mindray BS-480, a--Hydroxybutyrate Dehydrogenase Kit	Test	NR	V
Biochemistry, Mindray BS-480, Calcium Kit	Test	NR	V
Biochemistry, Mindray BS-480, Magnesium Kit	Test	NR	V
Biochemistry, Mindray BS-480, Phosphorus Kit	Test	NR	V
Biochemistry, Mindray BS-480, Bicarbonates (C And Q)	Test	NR	V
Biochemistry, Mindray BS-480, 5'-Nucleotidase	Test	NR	V
Biochemistry, Mindray BS-480, Adenosine Deaminase	Test	NR	V
Biochemistry, Mindray BS-480, Angiotensin Converting Enzyme (C)	Test	NR	V
Biochemistry, Mindray BS-480, Beta Hydroxybutyrate (C)	Test	NR	V
Biochemistry, Mindray BS-480, Cholinesterase (C And Q)	Test	NR	V
Biochemistry, Mindray BS-480, D-Dimer (C)	Test	NR	V
Biochemistry, Mindray BS-480, Fructosamine (C And Q)	Test	NR	V
Biochemistry, Mindray BS-480, Retinol Binding Protein (C)	Test	NR	V
Biochemistry, Mindray BS-480, Rheumatoid Factor (C And Q)	Test	NR	V
Biochemistry, Mindray BS-480, Unsaturated Iron Binding Capacity (C)	Test	NR	V
Biochemistry, Mindray BS-480, a-L-Fucosidase	Test	NR	V
Biochemistry, Mindray BS-480, Multi Control Sera P	50 ml	NR	V
Biochemistry, Mindray BS-480, Multi Control Sera N	50 ml	NR	V
Biochemistry, Mindray BS-480, Specific Proteins Control N	5 ml	NR	V
Biochemistry, Mindray BS-480, Prealbumin Control N&P	6 ml	NR	V
Biochemistry, Mindray BS-480, Lipids Control N	18 ml	NR	V
Biochemistry, Mindray BS-480, Ck-MB Control N	12 ml	NR	V
Biochemistry, Mindray BS-480, HCY Control N	3 ml	NR	V
Biochemistry, Mindray BS-480, Lipoprotein(A) Control	3 ml	NR	V
Biochemistry, Mindray BS-480, Co2 Control N	15 ml	NR	V
Biochemistry, Mindray BS-480, D-Dimer Control	3 ml	NR	V
Biochemistry, Mindray BS-480, Multimmun Control	6 ml	NR	V
Biochemistry, Mindray BS-480, RBP Control	6 ml	NR	V
Biochemistry, Mindray BS-480, UIBC Control	1 ml	NR	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Biochemistry, Mindray BS-480, G6PD Control	5 ml	NR	V
Biochemistry, Mindray BS-480,ACE Control	2 ml	NR	V
Biochemistry, Mindray BS-480, MALB Control	2 ml	NR	V
Biochemistry, Mindray BS-480, TRF Control	2 ml	NR	V
Biochemistry, Mindray BS-480,B2-HB Control	2 ml	NR	V
Biochemistry, Mindray BS-480, CYSC Control (L&H)	10 ml	NR	V
Biochemistry, Mindray BS-480,B2-Mg Control (L)	2 ml	NR	V
Biochemistry, Mindray BS-480, 5'-Nt Control (L)	1 ml	NR	V
Biochemistry, Mindray BS-480, TBA Control (L)	1 ml	NR	V
Biochemistry, Mindray BS-480,ADA Control (L)	5 ml	NR	V
Biochemistry, Mindray BS-480,AFU Control(L&H)	1 ml	NR	V
Idvia Centaur CP			
Biochemistry, Idvia Centaur CP, FT4	Test	NR	V
Biochemistry, Idvia Centaur CP,TSH	Test	NR	V
Biochemistry, Idvia Centaur CP,FT3	Test	NR	V
Biochemistry, Idvia Centaur CP,Total PSA	Test	NR	V
Biochemistry, Idvia Centaur CP,Tripoint Liquiimmune Control Lev 1	30 ml	NR	V
Biochemistry, Idvia Centaur CP,Tripoint Liquiimmune Control Lev 2	30 ml	NR	V
Biochemistry, Idvia Centaur CP,Tripoint Liquiimmune Control Lev 2	30 ml	NR	V
Biochemistry, Idvia Centaur CP, R1 & R2	Test	NR	V
Biochemistry, Idvia Centaur CP, Cleaning Solution	Bottle	NR	V
Biochemistry, Idvia Centaur CP, Sample Cuvettes	Piece	NR	V
Biochemistry, Idvia Centaur CP, Sample cups	Piece	NR	V
Biochemistry, Idvia Centaur CP,Wash-1 (2 x 1500 ml)	Test	NR	V
Biochemistry, Idvia Centaur CP, Disposable Tips	Piece	NR	V
Biochemistry, Idvia Centaur CP, Calibrator A (FT3,FT4,TT3,TT4,) L&H	20 ml	NR	V
Biochemistry, Idvia Centaur CP, Calibrator B	Piece	NR	V
Biochemistry, Idvia Centaur CP, Calibrator Q	Piece	NR	V
I-chroma			
Biochemistry, i-chroma D	Test	NR	V
Biochemistry, i-Chroma TSH-25T	Test	NR	V
Biochemistry, i-Chroma T3-25T	Test	NR	V
Biochemistry, i-Chroma T4-25T	Test	NR	V
Biochemistry, i-Chroma Troponin I-25T	Test	NR	V
Biochemistry, i-Chroma hsCRP-25T	Test	NR	V
Biochemistry, i-Chroma CRP-25T	Test	NR	V
Biochemistry, i-Chroma D-Dimer-25T	Test	NR	V
Biochemistry, i-Chroma RF IgM-25T	Test	NR	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Biochemistry, i-Chroma ASOT-25T	Test	NR	V
Biochemistry, i-Chroma Pro BNP-25 T	Test	NR	V
Biochemistry, i-Chroma BNP-25T	Test	NR	V
Biochemistry, i-Chroma ASO-25T	Test	NR	V
Biochemistry, i-Chroma PSA-25T	Test	NR	V
Biochemistry, i-Chroma HbA1C-0.5 ml	Test	NR	V
Biochemistry, i-Chroma HbA1C 25T	Test	NR	V
Biochemistry, i-Chroma Universal control-1.0 ml	1 ml	NR	V
Biochemistry, i-Chroma D-Dimer Control-0.5 ml	0.5 ml	NR	V
Biochemistry, i-Chroma CRP Controls-0.5 ml	0.5 ml	NR	V
Biochemistry, i-Chroma BNP Controls -0.5 ml	0.5 ml	NR	V
Biochemistry, i-Chroma RF Controls -0.5 ml	0.5 ml	NR	V
Biochemistry, i-Chroma hsCRP Controls-0.5 ml	0.5 ml	NR	V
Biochemistry, i-Chroma ASO-Controls-0.5 ml	0.5 ml	NR	V
Biochemistry, i-Chroma Troponin I-controls-0.5 ml	0.5 ml	NR	V
Biochemistry, i-Chroma Pro BNP Controls -0.5 ml	0.5 ml	NR	V
Biochemistry, i-Chroma D-Dimer-0.5 ml	0.5 ml	NR	V
Selectra analyzers			
Biochemistry, Selectra,ALT/GPT 4+1 SL 2 x 62.5 ml	125 ml	HC4	V
Biochemistry, Selectra,AST /GOT4+1 SL 2 x 6.2 ml	125 ml	HC4	V
Biochemistry, Selectra,Albumin 2 x 125 ml	250 ml	HC4	V
Biochemistry, Selectra,ALP(DEA) S I2 x 62.5 ml	125 ml	HC4	V
Biochemistry, Selectra,Amylase S I6 x 50 ml	300 ml	GH	V
Biochemistry, Selectra, Bilirubin T&D 4+1 x 125 ml	500 ml	HC4	V
Biochemistry, Selectra, Gamma-Gt Plus S I2 x 62.5 ml	125 ml	GH	V
Biochemistry, Selectra, Glucose Pap SL 6 x 100 ml	600 ml	HC4	V
Biochemistry, Selectra, Total Protein Plus 2 x 125 ml	250 ml	HC4	V
Biochemistry, Selectra, Creatinine Jaffe 2 x 125 ml	250 ml	HC4	V
Biochemistry, Selectra, Urea UV SL 4 x 62.5 ml	250 ml	HC4	V
Biochemistry, Selectra, Uric Acid Mono SL 6 x 50 ml	300 ml	GH	V
Biochemistry, Selectra, TrigI Mono SL New 6 x 50 ml	300 ml	GH	V
Biochemistry, Selectra, Cholesterol HDL sI2g I x 80 ml	80 ml	GH	V
Biochemistry, Selectra, Cholesterol SL 6 x 100 ml	600 ml	GH	V
Biochemistry, Selectra, LDH-L SL 2 x 62.5 ml	125 ml	GH	V
Biochemistry, Selectra, CK NAC S I2 x 62.5 ml	125 ml	GH	E
Biochemistry, Selectra, CRP Reagent	100 ml	GH	E
Biochemistry, Selectra,HbA1c I x 32 ml	32 ml	GH	E
Biochemistry, Selectra, haemoglobin I x 50 ml	50 ml	GH	E

ITEM DESCRIPTION	UNIT	LoC	VEN
Biochemistry, Selectra, Iron Ferrozine 2 x 125 ml	250 ml	GH	E
Biochemistry, Selectra, Magnesium Calmagite 2 x 125 ml	250 ml	GH	E
Biochemistry, Selectra, Phosphorus 2 x 125 ml	250 ml	GH	E
Biochemistry, Selectra, Calcium Arsenazo 2 x 125 ml	250 ml	GH	E
Biochemistry, Selectra, Iron Tibc 50 Test	Test	GH	E
Biochemistry, Selectra, Lactate 10 X 10 ml	100 ml	GH	E
Biochemistry, Selectra, Lipase SL 4 X 9.2 ml Vtl	36.8 ml	GH	E
Biochemistry, Selectra, Micro Albumin IP 5 ml + 2 x 25 ml	55 ml	NR	E
Biochemistry, Selectra, Orosomuroid IP 5 ml + 2 x 25 ml	55 ml	NR	E
Biochemistry, Selectra, Prealbumin IP 5 ml + 2 x 25 ml	55 ml	GH	E
Biochemistry, Selectra, Protein IP Cal Set 5 lev x 1 ml	5 ml	HC4	V
Biochemistry, Selectra, Microprotein Plus 12 x 20 ml Vtl	240 ml	RR	E
Biochemistry, Selectra, Transferrin IP 5 ml + 5 x 25 ml	130 ml	RR	E
Biochemistry, Selectra, IGA IP 5 ml + 2 x 25 ml	55 ml	NR	E
Biochemistry, Selectra, IGG IP 5 ml + 2 x 25 ml	55 ml	NR	E
Biochemistry, Selectra, IGM IP 5 ml + 2 x 25 ml	55 ml	GH	E
Biochemistry, Selectra, ELICAL 2-4 x 3 ml	24 ml	GH	E
Biochemistry, Selectra, Haptoglobin IP 5 ml + 2 x 25 ml	55 ml	GH	E
Biochemistry, Selectra, Acid Solution	1 ml	HC4	V
Biochemistry, Selectra, Cleaner 6 x 8 ml	48 ml	HC4	V
Biochemistry, Selectra, Conditioner 3 x 253 x 25	759 ml	HC4	V
Biochemistry, Selectra, ISE Diluent 12 x 25 ml	300 ml	HC4	V
Biochemistry, Selectra, ISE Reference Solution 1 x 500 ml	500 ml	HC4	V
Biochemistry, Selectra, EE System Cleaning Solution	1 ml	HC4	V
Biochemistry, Selectra, System Solution	1 ml	HC4	V
Biochemistry, Selectra, ISE Control I 10 x 5 ml	50 ml	HC4	V
Biochemistry, Selectra, ISE Controlli 10 x 5 ml	50 ml	HC4	V
Biochemistry, Selectra, Elitrol I 10 x 5 ml	50 ml	HC4	V
Biochemistry, Selectra, Elitrol II 10 x 5 ml	50 ml	HC4	V
Biochemistry, Selectra, CK-Mb Control 4 x 3 ml	13 ml	GH	E
Biochemistry, Selectra, Cholest. LDL2g Calibr. 4 x 1 ml	5 ml	GH	E
Biochemistry, Selectra, CRP IP Calibrator Set 5lev x 1 ml	5 ml	GH	E
Biochemistry, Selectra, HbA1c Calibrator Set 4 x 0.5 ml	2 ml	GH	E
Biochemistry, Selectra, HbA1c Controls L+H 4 x 0.5 ml	2 ml	GH	E
Biochemistry, Selectra, ISE Calibrator (6 x 20 ml + 6 x 20 ml)	240 ml	HC4	V
Biochemistry, Selectra, ECS Empty Vial + Caps 10 x 10 ml	100 ml	GH	E
Biochemistry, Selectra, ECS Empty Vials+Caps 30 x 25 ml	750ml	GH	E
Biochemistry, Selectra, Cholest.HDL2g Calibr. 4 x 1 ml	4 ml	GH	E

ITEM DESCRIPTION	UNIT	LoC	VEN
PARASITOLOGY			
Peripheral blood smear- Reconstituted laboratory reagents			
Fields A Stain solution	I L	HC3	V
Fields B Stain solution	I L	HC3	V
Giemsa Stain	I L	HC3	V
Leishman's Stain	I L	HC3	E
2% Crystal Violet	I L	HC3	V
Gram's Iodine Solution	I L	HC3	V
50% Acetone Alcohol	I L	HC3	V
0.1% Neutral Red	I L	HC3	V
Lens Cleaning, Paper Tissues, 10 x 15cm (4 x 6 in), 50 Sheets	Piece	HC3	V
Immersion Oil, Type FF, 4oz x 1 Bottle	100 ml	HC3	V
Slide Box, Standard, Plastic, Hinged Lid, 100 Slides, White, Each	Piece	HC3	V
Slide Rack, Slide Staining, Polyactetal, for 25 Slides, Each	Piece	HC3	V
Microscope Slide Cover Glass, Rectangular, For Counting Chamber, 8 x 1 in, 1 Pack x 12 PC	Piece	HC3	V
Microscope Slide Cover Glass, Square, No. 2, 18 mm, and 25 mm, Oz Pack	Piece	HC3	E
Microscope Slide Cover Slip, Plastic, Square, 22 mm, 1000 PC	Piece	HC3	V
Microscope Slide, 25 x 75 mm, Plain Glass, 100 PC	Piece	HC3	E
Microscope Slide, 25 x 76 mm, Frosted, 100 PC	Piece	HC3	V
Couplin Jars	Each	NR	V
BIOMERIEUX, VITEK (Vitek Identification System)			
Biomerieux, Vitek 2 GN Kit	Piece	RR	V
Biomerieux, Vitek 2 GP Kit	Piece	RR	V
Biomerieux, Vitek 2, AST ST01	Piece	RR	V
Biomerieux, Vitek 2, AST P580	Piece	RR	V
Biomerieux, Vitek 2, AST GN 84	Piece	RR	V
Biomerieux, Vitek 2, AST GN 86	Piece	RR	V
Biomerieux, Vitek 2, AST GP 67	Piece	RR	V
Biomerieux, Vitek 2, YST cards	Piece	RR	V
Biomerieux, Vitek 2, AST YST O7	Piece	RR	V
Biomerieux, Vitek 2, NH cards	Piece	RR	V
Biomerieux, Vitek 2, AST P 576	Piece	RR	V
Biomerieux, Vitek 2, ANC cards	Piece	RR	V
Biomerieux, Vitek 2, BCL cards	Piece	RR	V
Biomerieux, Vitek 2, Sterile swabs	Piece	RR	V
Biomerieux, Vitek 2, McFarland standards for Vitek2	Piece	RR	V
Biomerieux, Vitek 2 Polystyrene tube	Piece	RR	V

ITEM DESCRIPTION	UNIT	LoC	VEN
BACTEC FX			
BD BACTECTM PLUS - Aerobic/F medium	Vial	RR	V
BD BACTECTM PLUS - Anaerobic Lytic	Vial	RR	V
BD BACTECTM PLUS - Myco Lytic	Vial	RR	V
BD BACTECTM PLUS - Mycosis/IC	Vial	RR	V
BD BACTECTM PLUS - Ped plus	Vial	RR	V
BD BACTECTM PLUS - Standard Aerobic	Vial	RR	V
BD BACTECTM PLUS - Standard Anaerobic	Vial	RR	V
Culture and sensitivity			
Media, dehydrated powder Blood agar base	500 g	H	E
Media, Columbia Blood Agar Base	500 g	H	E
Media, MacConkey Agar	500 g	H	E
Media, Dehydrated powder TCBS agar	500 g	H	E
Media, dehydrated powder XLD agar	500 g	H	E
Media, dehydrated powder DCA agar	500 g	H	E
Media, dehydrated powder CLED Medium single indicator agar	500 g	H	E
Media, dehydrated powder Muller Hinton Agar	500 g	H	E
Media, dehydrated powder Nutrient Agar	500 g	H	E
Media, dehydrated powder MacConkey sorbitol agar	500 g	H	E
Media, dehydrated powder Selenite F broth	500 g	H	E
Media, dehydrated powder Brain Heart infusion broth	500 g	H	E
Media, saboraud Dextrose agar	500 g	H	E
Media, IsoVitaleX Enrichment, 2 ml lyophilized, with 2 mL Diluent, 5 PC	500 g	H	E
Media, Simmons Citrate Agar, Dehydrated	500 g	H	E
Media, Triple Sugar Iron Agar (TSI)	500 g	H	E
Media, Vitox Supplement, 2 x 5 vials, for 500 ml medium, 5 PC	500 g	H	E
Media, dehydrated powder Hemoglobin powder agar	500 g	H	E
Media, dehydrated powder Alkaline peptone water agar	500 g	H	E
Media, dehydrated powder SIM agar	500 g	H	E
Media, dehydrated powder Urea agar	500 g	H	E
Media, dehydrated powder Heamophilus sensitivity agar	500 g	H	E
Media, dehydrated powder Carry-blair agar	500 g	H	E
Media, dehydrated powder Amies medium	500 g	H	E
Media, dehydrated powder Stuart medium	500 g	H	E
Media, cooked meet medium	500 g	H	E
Media, GC Base agar	500 g	H	E
Media, skimmed Milk	500 g	H	E
Media, phenyl alanine	500 g	H	E

ITEM DESCRIPTION	UNIT	LoC	VEN
Media, tryptone soya broth base	500 g	H	E
Media, bile aesculin agar	500 g	H	E
Media, kligler iron agar	500 g	H	E
Media, Salmonella/Shigella Agar (SSA)	500 g	H	E
Media, Campylobacter isolation medium	500 g	H	E
Media, Mannitol salt	500 g	H	E
Antimicrobial sensitivity discs kits			
Amikacin 30 µg	Piece	H	E
Ampicillin 25 µg	Piece	H	E
Augmentin 30 µg	Piece	H	E
Aztreonam 30 µg	Piece	H	E
Bacitracin	Piece	H	E
Cefepime	Piece	H	E
Cefixime	Piece	H	E
Ceftazidime 30 µg	Piece	H	E
Ceftriaxone µg	Piece	H	E
Cefuroxime Sodium 30 µg	Piece	H	E
Cephalotin	Piece	H	E
Chloramphenicol 10µg	Piece	H	E
Ciprofloxacin 5 µg	Piece	H	E
Clindamycin 2 µg	Piece	H	E
Cotrimoxazole 25 µg	Piece	H	E
Erythromycin 5µg	Piece	H	E
Gentamycin 10 µg	Piece	H	E
Imipenem 10 µg	Piece	H	E
Linezolid	Piece	H	E
Meropenem 10 µg	Piece	H	E
Methicillin 10 µg	Piece	H	E
Metronidazole	Piece	H	E
Mezoloxacillin 10 µg	Piece	H	E
Minocycline	Piece	H	E
Nalidixic Acid 30µg	Piece	H	E
Nitrofurantoin 50 µg	Piece	H	E
Norfloxacin	Piece	H	E
Optochin 5 µg	Piece	H	E
Oxacillin 1.0 µg	Piece	H	E
Penicillin G 10µg	Piece	H	E
Piperacillin	Piece	H	E

ITEM DESCRIPTION	UNIT	LoC	VEN
Rifampicin 5 µg	Piece	H	E
Spectinomycin	Piece	H	E
Tazobactam	Piece	H	E
Teicoplanin 30 µg	Piece	H	E
Tetracycline 30 µg	Piece	H	E
Vancomycin 30 µg	Piece	H	E
Identification biochemical			
E-strip test	Piece	H	E
Optochin	Piece	H	E
Factor X	Piece	H	E
Factor V	Piece	H	E
Factor X+V	Piece	H	E
Iso vitalex	Piece	H	E
Slidex latex rapid Kit for cholera	Piece	H	E
Pastorex Rapid Kit for meningitis	Piece	H	E
Yersinia pestis Rapid kit	Piece	H	E
Triple Sugar Iron Agar	500 g	H	E
Urea Agar Base	500 g	H	E
Urea solution 40%	500 g	H	E
Lysine Iron Agar (LIA)	500 g	H	E
Motility Indole Ornithine (MIO)	500 g	H	E
Bile Aesculin Agar	500 g	H	E
Glucose Ar	500 g	H	E
Lactose Ar	500 g	H	E
Maltose Ar	500 g	H	E
Sucrose Ar	500 g	H	E
Tetramethyl-p-phenylenediamine dihydrochloride 100 g	500 g	H	E
4-Dimethylaminobenzaldehyde 100 g	500 g	H	E
Amyl alcohol 500 ml	500 g	H	E
Simmons Citrate Agar	500 g	H	E
Gram Negative Id Plate Box/10 Plates	Piece	H	E
Gram Positive Id Panel Box/10 Plates	Piece	H	E
Gram Negative Urinary Isolate BP/MIC (SIW)	Piece	H	E
Gram Positive Mic Plates (SIW+) 10 Plates	Piece	H	E
Sterile Distilled Water 100 Tubes6 Boxes	Piece	H	E
Cation Adjusted Mueller-Hinton Broth (5 ml) 100 tubes	Piece	H	E
Typing sera			
Salmonella monovalent H gm	2 ml	H	E

ITEM DESCRIPTION	UNIT	LoC	VEN
Salmonella monovalent Hd	2 ml	H	E
Salmonella monovalent vi	2 ml	H	E
Salmonella monovalent 09	2 ml	H	E
Salmonella polyvalent A-S	2 ml	H	E
Enteroinvasive Escherichia coli 0157	2 ml	H	E
Shigella dysenteriae monovalent type I	2 ml	H	E
Shigella dysenteriae polyvalent I-10	2 ml	H	E
Shigella sonnei Phase I&2	2 ml	H	E
Shigella boydii	2 ml	H	E
Vibrio cholerae 01 monovalent Inaba	2 ml	H	E
Vibrio cholerae 01 monovalent ogawa	2 ml	H	E
Vibrio cholerae 01 & 0139 Rapid test	2 ml	H	E
Vibrio cholerae 01 polyvalent ogawa, Inaba	2 ml	H	E
Neisseria meningitidis monovalent A	2 ml	H	E
Neisseria meningitidis polyvalent A-D	2 ml	H	E
Neisseria meningitidis monovalent W135	2 ml	H	E
Neisseria meningitidis monovalent B	2 ml	H	E
Neisseria meningitidis monovalent C	2 ml	H	E
Neisseria meningitidis monovalent D	2 ml	H	E
Neisseria meningitidis monovalent X	2 ml	H	E
Neisseria meningitidis monovalent Y	2 ml	H	E
Neisseria meningitidis monovalent Z	2 ml	H	E
Escherichia Coli polyvalent A	2 ml	H	E
Escherichia Coli polyvalent B	2 ml	H	E
Escherichia Coli polyvalent C	2 ml	H	E
Escherichia Coli polyvalent 0157	2 ml	H	E
Transport Swab, Sterile, with Transport Media, 500 swabs	2 ml	H	E
Incubator, Standard Lab, 2.5 cu. ft Capacity, each	2 ml	H	E
Haemophilus influenzae type A	2 ml	H	E
Haemophilus influenzae type B	2 ml	H	E
Haemophilus influenzae type C	2 ml	H	E
Haemophilus influenzae type D	2 ml	H	E
Haemophilus influenzae type E	2 ml	H	E
Haemophilus influenzae type F	2 ml	H	E
Chemicals			
Bleach, Sodium Hypochlorite Solution, NaOCl, 4-6%	1 L	HC3	V
Chemical, Phenol, Crystal	500 g	H	V
Chemical, Acetic Acid, C.P., 2.5 L Pieces	Piece	H	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Chemical, Acid Ethanol, 3%, 5 x 250 ml	1.25 L	HC3	V
Chemical, Alcohol, 70%	1 L	HC3	V
Chemical, Bleach, Teepol, 4% available chlorine	5 L	HC2	V
Chemical, Ethanol, Absolute	2.5 L	HC3	V
Chemical, Formalin	500 ml	H	V
Chemical, Glycerol	1 L	H	V
Chemical, Hydrochloric Acid	1 L	HC3	V
Chemical, Hydrogen Peroxide 3%, amber glass	500 ml	H	V
Chemical, Methanol	5 L	H	V
IMMUNOLOGY/ MOLECULAR			
Emerging Infectious diseases (EID) testing			
Molecular, COBAS AMPLIPREP K-tips, 12 racks x 36	Piece	NR	V
Molecular, KIT CAP-G/CTM WASH RGT 5.1 L IVD, 5.1 L (100 Test)	5 L	NR	V
Molecular, KIT CAP-G/CTM HIV-1 QUAL 48T RUO, 48 Test	Test	NR	V
Molecular, COBAS AMPLIPREP Flapless SPU, 12 racks x 24	Piece	NR	V
Molecular, Cobas Ampliprep S tubes (input), 12 racks x 24	Piece	NR	V
Molecular, KIT CAP-G/CTM SPECIMEN PRE-EXTRACT RUO, 5 x 7 5ml (350) Test)	350 ml	NR	V
Molecular, Cobas TaqMan K Tubes, 12 x 96	Piece	NR	V
Molecular, CAP-CTM Lab Consumable Bundle	Piece	NR	V
Molecular, DBS Sample collection Bundles (50) Test single use	Test	NR	V
Viral load testing			
Roche Machines			
Molecular, COBAS AMPLIPREP K-tips, 12 racks x 36	Piece	NR	V
Molecular, KIT CAP-G/CTM WASH RGT 5.1 L IVD 5.1 L (100 Test)	5 L	NR	V
Molecular, KIT CAP-G/CTM HIV-1 V2.0 EXPT-IVD 48 Test	Test	NR	V
Molecular, COBAS AMPLIPREP Flapless SPU 12 racks x 24	Piece	NR	V
Molecular, Cobas Ampliprep S tubes (input) 12 racks x 24	Piece	NR	V
Molecular, Cobas TaqMan K Tubes 12 x 96	Piece	NR	V
Molecular, HIV Viral Load CAP-CTM Lab Consumable Bundle	Piece	NR	V
Roche 8800			
Molecular, Cobas omni Specimen Diluent	4 L	NR	V
Molecular, Cobas omni Lysis Reagent	4 L	NR	V
Molecular, Cobas omni Wash Reagent	1 L	NR	V
Molecular, Cobas omni Pipette Tips	Test	NR	V
Molecular, Cobas omni Processing Plate	Piece	NR	V
Molecular, Cobas® NHP Negative Control Kit	Test	NR	V
Molecular, Cobas omni MGP Reagent	Test	NR	V
Molecular, Cobas omni Amplification Plate	Test	NR	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Molecular, KIT COBAS 6800/8800 HIV 96T CE-IVD	Test	NR	V
Molecular, KIT COBAS 6800/8800 H x V RMC CE-IVD	Runs	NR	V
Molecular, Solid Waste Bag Set of 200	Piece	NR	V
Molecular, SS Tubes	Piece	NR	V
Molecular, PBS Buffer	Piece	NR	V
Abbot Machines			
Molecular, Abbott Real Time HIV-1 Amplification Reagent Kit, 1 pack with 4 boxes x 24 Test	Test	NR	V
Molecular, Abbott Real-time HIV-1 Control Kit, 1 pack with 8 Neg, 8 Pos, and 8 low-controls	Test	NR	V
Molecular, Abbott Real-time HIV-1 Calibrator Kit	Piece	NR	V
Molecular, Abbott mSample Preparation System DNA, 1 box of 4 x 24 preps	Piece	NR	V
Molecular, Bulk mLysis DNA Buffer (for DBS processing only), 210 ml bottle	210 ml	NR	V
Molecular, 200 ml Reagent Vessels	Piece	NR	V
Molecular, Abbott Optical Adhesive Covers	Piece	NR	V
Molecular, Abbott 96-Deep-Well Plate	Piece	NR	V
Molecular, Abbott 96-Well Optical Reaction Plate	Piece	NR	V
Molecular, Saarsstedt Master Mix Tube	Piece	NR	V
Molecular, Saarsstedt 5 ml Reaction Vessels	Piece	NR	V
Molecular, 1000 µl Tecan Disposable Tips, Pack with 12 boxes, 96 tips per box	Piece	NR	V
Molecular, 200 µl Tecan Disposable Tips, Pack with 12 boxes, 96 tips per box	Piece	NR	V
Molecular, Molecular, m2000 Real time PCR, Biohazard bag, 32 x 34 in, Orange, 27 Gallon, 50 PC	Piece	NR	V
Molecular, DBS collect kit VL W-stickers, 50 Test Single use	Test	NR	V
Molecular, Laboratory Consumables Bundle for Automated Assay (Abbot)	Piece	NR	V
Molecular, Absolute ethanol, bottle	2 L	NR	V
HIV TESTING			
SAMBA II			
HIV- 1 Test Kit, 12 Tests per kit (Complete kit)	Test	HC3	V
HIV- 1 Amplification Kit (Complete kit)	Test	HC3	V
AlereQ			
Alere™ q HIV-1/2 Detect (50 Cartridges)	Test	HC3	V
Finger Stick Sample Collection Kit (100)	Piece	HC3	V
Printer Paper I	Rolls	HC3	V
GeneXpert			
Xpert® HIV-1 Qual Cartridges	Test	HC3	V
Xpert HIV-1 Viral Load, Cartridges	Test	HC3	V

ITEM DESCRIPTION	UNIT	LoC	VEN
HEPATITIS B TESTING			
Selexon Hepatitis B testing			
Selexon Hepatitis surface antigen (HBSAg) test kit	Test	HC3	N
Selexon Hepatitis B e antigen(HBeAg) test kit	Test	HC3	N
Selexon AFP antigen(AFP) test kit	Test	HC3	N
TB TESTING			
Xpert MTB/RIF kit of 50 Test	Test	HC4	V
GeneXpert Warranty extension 1 year - GXIV-4 (4 modules system)	Piece	HC4	V
Xpert Check kits (Calibration Kit)	Piece	HC4	V
Sample containers (sterile screw capped containers)	Piece	HC3	V
Alere Determine™ TB LAM Ag Test	Test	HC3	V
Strong carbol fuchsin	100 g	HC3	V
Methylene blue powder (g)	25 g	HC3	V
25% Sulphuric Acid (ZN decolouriser) in Liters	2.5 L	HC3	V
Phenol for ZN (g)	100 g	HC3	V
Phenol for FM (g)	100 g	HC4	V
Ethanol 95% (L)	2.5 L	HC4	V
Hydrochloric acid, fuming (37%) (L)	2.5 L	HC4	V
Auramine O (g)	50 g	HC4	V
Potassium permanganate (g)	250 g	HC4	V
Mycobacteria Growth Indicator Tube			
PP-tubes for centrifuge, sterile, 50 ml, MGIT culture tubes (pack of 100)	Boxes	NTRL	V
BACTEC MGIT 960 Supplement Kit (100 Test, PANTA and OADC combined)	Boxes	NTRL	V
BACTEC™ MGIT™ 960 SIRE kit, One kit is sufficient for 40 test	Boxes	NTRL	V
BBL MGIT Tubes for use in Bactec MGIT 960 (7ml) - 100 tubes/pkg	Boxes	NTRL	V
Single use plastic Pasteur-pipettes sterile pack by 10	Boxes	NTRL	V
TB Culture and Sensitivity / LPA			
Potassium dihydrogen phosphate (g)	500 g	NTRL	V
Di-Sodium hydrogen phosphate (g)	500 g	NTRL	V
Magnesium sulphate (g)	500 g	NTRL	V
Tri-Sodium citrate	500 g	NTRL	V
L-Asparagine (g)	2.5 g	NTRL	V
Glycerol (ml)	2.5 L	NTRL	V
Malachite green (g)	100 g	NTRL	V
OADC supplement (ml)	100 ml	NTRL	V
Sodium hydroxide, NaOH (g)	500 g	NTRL	V
N-acetyl-L-cysteine (NALC)	5 g	NTRL	V
PNB (g)	5 g	NTRL	V

ITEM DESCRIPTION	UNIT	LoC	VEN
7H9 Middle brook Media (g)	5 g	NTRL	V
DST- 1st Line (Solid) Antibiotics			
INH	5 g	NTRL	V
RMP	1 g	NTRL	V
EMB	100 g	NTRL	V
SM	5 g	NTRL	V
DST- 2nd Line (Solid) Antibiotics			
OFX	10 g	NTRL	V
KM	5 g	NTRL	V
AK	5 g	NTRL	V
CM	1 g	NTRL	V
MF	1 g	NTRL	V
Water molecular biology grade	1 L	NTRL	V
GenoType MTBDR plus V2 - 30496AM : 30496A GenoType MTBDRplus Version 2.0 and 51610 GenoLyse	Test	NTRL	V
Tag polymerase	1.5 ml	NTRL	V
Khan tubeS	Piece	NTRL	V
Standard reaction tubes 2 ml	Piece	NTRL	NTR L
Tubes PCR	Piece	NTRL	NTR L
BLOOD TYPING AND BLOOD TRANSFUSION			
Routine blood typing antisera (antibodies)			
ANTI-A (human IgM monoclonal antibody)	100 ml	HC3	V
ANTI-B (human IgM monoclonal antibody)	100 ml	HC3	V
ANTI-AB (human IgM monoclonal antibody)	100 ml	HC3	V
ANTI-D (human IgM monoclonal anti body)	100 ml	HC3	V
ANTI-A1B (IgM antibody)	100 ml	NR	E
ANTI-A1 Lectin (IgM antibody)	50 ml	NR	E
ANTI-H Lectin (IgM antibody)	10 ml	NR	E
Anti-Human globulin (Polyclonal)- C3-complement and IgG antibody	10 ml	NR	E
Anti-Human globulin (monoclonal) - C3	10 ml	NR	E
ANTI-Human globulin (monoclonal) IgG antibody	10 ml	NR	E
Red cell phenotyping antisera (antibodies)			
ANTI-D human IgG monoclonal anti body	10 ml	HC3	V
ANTI C	10 ml	NR	E
ANTI E	10 ml	NR	E
ANTI K	10 ml	NR	E
ANTI K (cellano), IgG	10 ml	NR	E

ITEM DESCRIPTION	UNIT	LoC	VEN
ANTI Fya, IgG antibodies	10 ml	NR	E
ANTI Fyb, IgG antibodies	10 ml	NR	E
ANTI JKa, IgG antibodies	10 ml	NR	E
ANTI JKb, IgG antibodies	10 ml	NR	E
ANTI Lea, IgM antibodies	10 ml	NR	E
ANTI Leb, IgM antibodies	10 ml	NR	E
ANTI PI, IgM antibodies	10 ml	NR	E
ANTI M, IgG antibodies	10 ml	NR	E
ANTI N, IgM antibodies	10 ml	NR	E
ANTI S, IgG antibodies	10 ml	NR	E
ANTI Lu a, Both IgM / IgA anti body	10 ml	NR	E
ANTI Lu b, Both IgM / IgA anti body	10 ml	NR	E
ANTI- I, IgM anti body	10 ml	NR	E
Reverse typing antisera (serum typing)			
A1- standard cells	5 ml	NR	E
B- standard cells	5 ml	NR	E
O- standard cells	5 ml	NR	E
A2- standard cells	5 ml	NR	E
Antibody processing cells (for antibody detection test)			
Group O cells- antigen phenotyped RBCs	10 ml	NR	E
Panel cells for anti-body identification- antigen phenotyped RBCs (i.e. kell, kid etc.)	50 ml	NR	E
Enhancement / potentiating media			
Low Ionic Strength Saline (LISS)	10 ml	NR	E
Polyethylene Glycol (Peg)	10 ml	NR	E
Albumin Enzymes	10 ml	NR	E
UBTS			
UBTS-Blood Collection Bags (Single) 450 ml	Piece	UBTS	V
UBTS-Blood Collection Bags (Quadruple; Primary) 45	Piece	UBTS	V
Plaster Adhesive Zinc Oxide, 75 mm x 5 m	Piece	UBTS	V
Haemo Cue Cuvettes	Test	UBTS	V
UBTS-Copper Sulphate Analar	Test	UBTS	V
1st Line Testing Parameter and Back Up			
UBTS-HIV Architect Screening kit (CMIA) 2000 test	Test	UBTS	V
UBTS-HBS Ag/Ab Architect Screening Kit (CMIA) 2000 test	Test	UBTS	V
UBTS-HCV Architect Screening Kit (CMIA) 2000 test	Test	UBTS	V
UBTS-Syphilis Architect Screening Kit (CMIA) 2000 test	Test	UBTS	V
UBTS-Architech Hbsag Reagent 100 test	Test	UBTS	V

ITEM DESCRIPTION	UNIT	LoC	VEN
UBTS-Architect HIV Combo Reagent 100 test	Test	UBTS	V
UBTS-Architech Anti HCV Reagent 100 test	Test	UBTS	V
UBTS-Architech Syphilis Reagent 100 test	Test	UBTS	V
Controls and Calibrators			
UBTS-Architech Syphilis Control	Test	UBTS	V
UBTS-Architech Syphilis Calibrator	Test	UBTS	V
UBTS-Architech HIV Ag Control	Test	UBTS	V
UBTS-Architech HIV Ag/Ab Combo Cal	Test	UBTS	V
UBTS-Architech Hbsag Control	Test	UBTS	V
UBTS-Architech Hbsag Calibrator	Test	UBTS	V
UBTS-Architech HCV Control	Test	UBTS	V
UBTS-Architech HCV Calibrator	Test	UBTS	V
Accessories			
UBTS-Architech Trigger Solution 1 L	Test	UBTS	V
UBTS-Architech Pre Triger Solution 1 L	Test	UBTS	V
UBTS-Architech Reaction Vessels	Test	UBTS	V
UBTSError! Bookmark not defined.-Architech Conc Wash Buffer 1 L	Test	UBTS	V
UBTS-Architech Septums 1 L	Test	UBTS	V
UBTS-Architech Probe Cleaning Solution 25 ml	Test	UBTS	V
UBTS-Architech Closure Green 100	Test	UBTS	V
UBTSError! Bookmark not defined.-Architech Sample Cups 4 x 500	Test	UBTS	V
UBTS-Microplate U Bottom Shaped, 96 Wells	Test	UBTS	V
UBTS-Microplate V Bottom Shaped, 96 Wells	Test	UBTS	V
2nd Line Testing Parameter			
UBTS-HIV,Ag/Ab Combo Micro Plate Elisa 480t	Test	UBTS	V
UBTS-Hbs,Ag/Ab Combo Micro Plate V3 480t	Test	UBTS	V
UBTS-HCV Screening Test Micro Plate Elisa 480t	Test	UBTS	V
UBTS- Ice-Syphilis Micro Plate Elisa Screening Kit 480t	Test	UBTS	V
Pippete Tips Automated Elisa 1100 µl	Test	UBTS	V
Pippete Tips Automated Elisa 300 µl	Test	UBTS	V
Nat (PCR) Test For HIV, HBV, HCV & Zika	Test	UBTS	V
Regional Testing			
UBTS - Galileo ABD Fwd.And Reverse [ABD Full2]	Test	UBTS	V
UBTS - Galileo Antibody Screening With Pulled Cells 2	Test	UBTS	V
UBTS - Galileo Weak D[Weak D2]	Test	UBTS	V
UBTS - Galileo Abo IgM High Titer	Test	UBTS	V
UBTS - Galileo TPHA Combo Kit 100 Test Immocor Automation	Test	UBTS	V
Malaria Screening Test For Low PCV And Platelet Counts	Test	UBTS	V

ITEM DESCRIPTION	UNIT	LoC	VEN
RPR Test Strips 100 Strips	Test	UBTS	V
UBTS - Galileo TPHA Combo Kit 100 Test Immocor Automation	Test	UBTS	V
Treponema Test Strips 100 Test	Test	UBTS	V
CONSUMABLES			
Sample Collection Consumables			
BD Vacutainer® Pre-attached Safety Devices - Pre-attached Eclipse™ 21 G x 1.25 - Green	Piece	HC2	V
Blood Collection Tube, K2-EDTA + PPT Polymer Gel, 5 ml, Plastic, Pearl White Top, Sterile, 100 PC	Piece	HC3	V
Blood Collection Tube, K2-EDTA, 4 ml, Plastic, Lavender Top, 100 PC	Piece	HC2	V
Blood Collection Tube, Paediatric, K2-EDTA, Lavender Top, 0.5 ml, 100 PC	Piece	HC2	V
Blood Collection Tube, Plasma, Lithium Heparin, 4 ml, Plastic, Green Top, 100 PC	Piece	HC4	V
Blood Collection Tube, SST II Gel, Clot Activator, 4 ml, Plastic, Gold Top, 100 PC	Piece	HC4	V
Blood Collection Tube, Vacutainer containers-Sodium citrate	Piece	HC4	V
Capillary Tubes (Microhaematocrit), Heparin, 70 µl, 75 mm, Red, 200 PC	Piece	HC3	V
Tourniquet, Latex Free, Disposable Pre-cut bands, 100 PC	Piece	HC2	V
Cotton Roll, Absorbent, Non-Sterile, 500 g x 1 Roll	500 g	HC2	V
Lancet, Safety, High Flow, 21 G x 1.8 mm, 200 PC	Piece	HC2	V
Vial, Cryogenic, 2/5.0 ml, Self-Standing, Round Bottom, 500 PC	Piece	HC2	V
Box, Cryogenic Storage, Plastic, 9 x 9 Place, for 1-2 ml Vials, 4 PC	Piece	HC4	V
Blood Lancet, Spring Loaded	Test	HC3	V
Alcohol Swabs-Isopropyl Contents 70%	Piece	HC2	V
Infection Control and Prevention Commodities			
Sharps Container, Plastic, 32 L, Red, Each	Each	HC2	V
Sharps Container, Plastic, 26 L (7G), Red, Each	Each	HC2	V
Sharps Container, Plastic, 22 L, Yellow, Each	Each	HC2	V
Sharps Container, Plastic, 5 L, Yellow, Wide Mouth	Each	HC2	V
Sharps Container, Paperboard, 5 L, Each	Piece	HC2	V
Biohazard bag 91 x 61 cm	Piece	HC2	V
Waste Disposal bags (red)	Piece	HC2	V
Waste Disposal bags (black)	Piece	HC2	V
Gloves, Exam, Latex, Powdered, Non-Sterile, Med, ASTM Standard, 100 PC	Piece	HC2	V
Gloves, Exam, Latex, Powdered, Non-Sterile, Sm, ASTM Standard, 100 PC	Piece	HC2	V
Examination Gloves powder free, Nitrile Medium	Piece	NTRL	V
Examination Gloves powder free, Nitrile Large	Piece	NTRL	V
Disposable lab gowns medium	Piece	GH	E
Disposable lab gowns large	Piece	GH	E
Lab Coat, Basic, White, Lg, 25 PC	Piece	HC2	V

ITEM DESCRIPTION	UNIT	LoC	VEN
Lab Coat, Basic, White, Med, 25 PC	Piece	HC2	V
Lab Coat, Basic, White, Sm, 25 PC	Piece	HC2	V
Goggles, Safety, Chemical Splash, Vented, Each	Each	HC3	V
Cleaner, Hand sanitizer, No-Rinse Skin Sanitizer, 16oz	Oz	HC2	V
Eyewash Station, Wall Mounted 16oz Double, Sterile, Saline Solution, Each	Each	HC3	V
Face Masks, Surgical, With Ties, 50 PC	Piece	HC3	V
First Aid Kit, 36 Units, Each	Each	HC3	V
Specimen transport bag with pouch 160*165 (20*100), 1	Piece	NR	V
Goggles	Each	NR	V
OTHER REQUIRED CONSUMABLES			
Absorbent paper	Piece	HC2	V
Alcohol 95% Not Denatured 20 L	Piece	HC3	V
Bag, autoclave	Piece	GH	V
Burning spirit (L)	2.5 L	HC3	V
Centrifuge Tube, 15 ml, Plastic, Conical Bottom, Plug Seal, Sterile, 500 PC	Piece	NR	V
Centrifuge Tube, 5mL, Glass, Conical Bottom, no cap, 12 PC	Piece	NR	V
Rack, Centrifuge Tube, Plastic, 8 Place, 50mL Tubes, Each	Each	NR	V
Diamond/Lead Pencils (piece) Fine Tip, Black, 10 PC	Piece	HC3	V
De-ionized water (L)	20 L	HC4	V
Disinfectants (5% Lysol, 70% ethanol)	5 L	HC3	V
Filter paper circular (pieces)	Piece	HC3	V
Humidity Indicator Card, 1000 PC	Piece	GH	V
Loop, disposable 10 µl	Piece	HC3	V
Measuring cylinders– 50 ml- 100 ml graduated	Piece	HC3	V
Pipet Tips, Blue, 100-1000 µl, Sterile, Rack, 1000 PC	Piece	HC3	V
Pipet Tips, Standard, Yellow, Sterile, Non-Filtered, 10-200 µl, 1000 PC	Piece	HC3	V
Pipet, Transfer, 3.0 ml Draw, 4 ml Capacity, Non-Sterile, 500 PC	Piece	HC2	V
Pipette tips -1000-5000 µl-white, Sterile, Non-Filtered	Piece	NRTL	V
Pipette tips PE, 0.1-2.5 µl, DNase-free	Piece	NRTL	V
Pipette tips PE, 100- 1000 µl DNase-free	Piece	NRTL	V
Pipette tips PE, 2.0-20 µl DNase-free	Piece	NRTL	V
Pipette tips PE, 20-200 DNase-free	Piece	NRTL	V
Pipetter Stand, Plastic, 6 Place, each	Each	HC3	V
Pipetter, Electronic, Adjustable Volume, 100-500 µl, each	Each	HC3	V
Pipetter, Electronic, Adjustable Volume, 500-1000 µl, each	Each	HC3	V
Pipetter, Electronic, Adjustable Volume, 5-50 µl, each	Each	HC3	V
Rack for tubes	Piece	HC3	V
Shoe Covers	Piece	RR	E
Sterile Gauze Swab	Piece	RR	E

ITEM DESCRIPTION	UNIT	LoC	VEN
Sterile glass beads, diameter 3 mm	Piece	RR	E
Tape, sterilization indicator, for autoclaves	Piece	GH	E
Test Tube, Glass, 13 x 100mm, Round Bottom, Plain end, 250 PC	Piece	HC3	V
Test Tube, Plastic, 12 x 75mm, Round Bottom, Falcon Type, Non-Sterile, No Cap, 1000 PC	Piece	HC3	V
Thermometer, Refrigerator/Freezer (water bath, heating blocks, incubators), Digital, -99 to 199 C,	Each	HC3	V
Universal bottle for cultures, 28 ml	Piece	HC3	V
Weighing boat	Piece	GH	E
Xylene (L)	2.5 L	HC3	V
Hair Cover	Piece	NR	E
Additional items -Glass ware			
Spare bulb (pieces)	Piece	HC3	E
Spare objective (pieces)	Piece	HC3	E
Spare Mirror	Piece	HC3	E
Spare Eyepiece	Piece	HC3	E
Power supply boards (pieces)	Piece	HC3	E
Funnel (pieces)	Piece	HC3	E
Measuring Cylinder (500 ml) Plastic	Piece	HC3	E
Erlenmeyer flasks-1000- 2000 ml	Piece	HC3	E
Erlenmeyer flasks- 500-1000 ml	Piece	HC3	E
Erlenmeyer flasks- 100-500 ml	Piece	HC3	E
Erlenmeyer flasks- 50-100 ml	Piece	HC3	E
Measuring cylinders- 500-1000 ml - 0.5 ml graduated	Piece	HC3	E
Measuring cylinders- 100-500 ml - 2.5 ml graduated	Piece	HC3	E
Measuring cylinders –0-100 ml - 0.5 ml graduated	Piece	HC3	E
Thick-walled glass flask - 2500 ml	Piece	HC3	E
Thick-walled glass flask - 2000 ml	Piece	HC3	E
Thick-walled glass flask - 1000 ml	Piece	HC3	E
Thick-walled glass flask - 500 ml	Piece	HC3	E
Laboratory beaker, low form with graduation and spout, 100 ml	Piece	HC3	E
Volumetric flasks 500-1000 ml	Piece	HC3	E
Volumetric flasks 50-500 ml	Piece	HC3	E
Funnel, soda lime glass, plain, short stem, d = 75 mm	Piece	HC3	E
Funnel, soda lime glass, plain, short stem, d = 125 mm	Piece	HC3	E
Powder funnel , diameter 100 mm	Piece	HC3	E
HISTOPATHOLOGY REAGENTS			
Harris Heamatoxylin Powder	500 g	NR	E
Eosin Y Powder	500 g	NR	E

ITEM DESCRIPTION	UNIT	LoC	VEN
Red Mercuric Oxide Powder	400 g	NR	E
Sodium Iodate Salt	400 g	NR	E
Ammonium Alum	10 kg	NR	E
Xylene- In A Drum Of 200l	4 drums	NR	E
Isopropyle Alcohol (Absolute – 99.9%) – In A 200 L Drum	4 drums	NR	E
Paraffin Wax Pellets	50 boxes	NR	E
Histo Tissue Cassettes With Covers (1000 Per Pack)	40 packs	NR	E
Diff Quick Staining Kit	4	NR	E
Pap Stain Ea50 Powder	400 g	NR	E
Pap Stain Og6 Powder	400 g	NR	E
Analytical Sodium Chloride – 500g Pack	40 packs	NR	E
Diamond Pencils	12	NR	E
Slide Trays (20 Slides)	50	NR	E
Moutant (Dpx) Solution	2 L	NR	E
Disposable Microtome Blades – Parks Of 50	40 packs	NR	E
Trisodium Citrate	4 Kg	NR	E
Manson Trichrome Stain	100 g	NR	E
Reticulin Stain	100 g	NR	E
Oil Red O Stain	100 g	NR	E
Sudan Black Stain	100 g	NR	E
Congo Red Stain	100 g	NR	E
Periodic Acid Schiff Stain	100 g	NR	E
Mucicarmin Stain	100 g	NR	E
Alcian Blue Stain	100 g	NR	E
Phosphotungstain Heamatoxylin	100 g	NR	E
Zn Stain	100 g	NR	E
Gram Stain	100 g	NR	E
Auramine Stain	100 g	NR	E
Formic Acid	10 L	NR	E
Mollifix	10 L	NR	E
Formaldehyde (40%)	100 L	NR	E
Ream Of Papers	100	NR	E
Ink Cartridges	20	NR	E
Box Of Stapples	10	NR	E
Box Files	40	NR	E
Folder Files	40	NR	E
Box Of 50 Frosted End Slides	500	NR	E
Box Of 50 Cover Slips (24 X 24 Mm)	500	NR	E
Box Of 50 Cover Slips (22 X 22 Mm)	500	NR	E

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