

MINISTRY OF HEALTH



REPUBLIC OF UGANDA

**Essential Medicines and Health
Supplies List for Uganda (EMHSLU)**

2016

Published by the Ministry of Health Uganda

First edition: 1997

Revised: November 2012, December 2016

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2016

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Foreword

The Ministry of Health elevated the Pharmacy Division to a Department because of the pharmaceutical sector's important contribution to 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) 2016 reflects the policy of Ministry of Health for the appropriate procurement of safe and efficacious essential medicines, health and laboratory supplies in public institutions.

As it was in the 2012 edition, all the items have been categorised by 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 health care service for Ugandans.

The EMHSLU 2016 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) 2016*, to ensure that all essential medicines, health and laboratory supplies needed to treat common conditions according to the UCG are included. The Laboratory supplies were developed by the Uganda National Health Laboratory Services (UNHLS).

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 assure the availability and use of quality, safe, efficacious and cost-effective medicines, health and laboratory supplies in Uganda.

I wish to thank all the members from Ministry of Health, government parastatals, the medical consultants, district health workers, UNHLS, development partners and the update task force for their various inputs that led to the successful development of this book.



Dr. Jane Ruth Aceng
Hon. Minister of Health

Preface

The Essential Medicines and Health Supplies List for Uganda (EMHSLU) 2016 is a list of safe, efficacious, and cost-effective medicines and health supplies that suit the health care needs of the majority of the Ugandan population.

Access to essential medicines and health supplies is fundamental to ensuring equitable health care 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 2016 follows the 2012 edition, and has been harmonised with the Uganda Clinical Guidelines 2016, so as to reflect medicines and diagnostic requirements for management of common conditions affecting the Ugandan population. The process of update involved consultations from multiple stakeholders to ensure comprehensive review, and was based on principles of evidence-based medicine, cost-effectiveness, and current ministry of health policies.

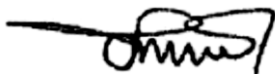
The EMHSLU 2016 is made up of four sections i.e., essential medicines list, general health supplies list, specialist health supplies list, and the laboratory supplies list. The essential medicines list, classified by therapeutic categories, follows the structure of the 19th edition of the World Health Organisation (WHO) model list (2015), and contains both the general and specialist medicines in one list for easier consultation.

The laboratory list developed by 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 2016 have been classified by the “level of care” corresponding to the competencies available at those levels, and also by the Vital, Essential and Necessary (VEN). 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.

Given the dynamic nature of therapeutics, standard treatment guidelines and essential lists need to be regularly updated so as to maintain their credibility and relevance. Users are therefore encouraged to submit any recommendations that can improve these guidelines to the Ministry of Health.

We hope that all health facilities will judiciously use the EMHSLU 2016, together with UCG 2016, and Practical 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, and thereby improve the overall quality of health care in Uganda.



Prof. Anthony K. Mbonye
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Acknowledgements

The EMHSLU 2016 was produced by the Ministry of Health with financial assistance from the USAID-funded Uganda Health Supply Chain (UHSC), and the Clinton Health Access Initiative (CHAI).

We extend sincere gratitude to all Ministry of Health Programmes and Departments, Uganda National Health Laboratory Services, Regional and District Health Offices, World Health Organisation Country Office, Private-not-for-profit organisations, who have cooperated extensively to make sure the EMHSLU 2016 update occurred comprehensively and in line with national and international policies. The following people contributed to the EMHSLU update from consultation to final editing.

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Ms. Rebecca Nassuna, Uganda Nurses and Midwives Council

Acknowledgements

Dr. Opigo Jimmy, MCP/MOH
Dr. Jane Nabakooza, MCP/MOH
Dr. Denis Rubahika, MCP/MOH
Ms. Juliet Nakiganda, MCP/MOH
Dr. Joshua Musinguzi, ACP/MOH
Dr. Norah Namuwenge, ACP/MOH
Dr. Cordelia Katureebe, ACP/MOH
Ms. Monica Amuha, ACP/MOH
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Ms. Grace Nantege, Laboratory Specialist- LSCM, CDC
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Dr. Martin Ssendyona, Quality Assurance/MOH
Dr. Sam Kamba, Planning/MOH
Mr. Felix Rutaro, Planning/MOH
Mr. Timothy Musila, Planning/MOH
Dr. Grace Kabaniha, Health Economist/WHO
Mr. Brendan Kwesiga, UHSC

Acknowledgements

Ms. Belinda Blick, UHSC
Ms. Huldah Nassali, NDA
Ms. Victoria Nambasa, NDA
Dr. Evans Tusubiira, NDA
Ms. Hellen Byomiire, NDA
Ms. Donna Kusemererwa, NDA
Mr. Moses Kamabare, NMS
Dr. Birna Trap, UHSC
Dr. Sam Orach, UCMB
Mr. Martin Oteba, UHSC
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Dr. Ivan Kamyra, DHO/Kiruhura District
Dr. James Kiirya, DHO/Namutumba
Dr. Patrick Tusiime, NDC/MOH

Administrative Support

Ms. Rachel Nandelenga (UHSC), Ms. Catherine Namboire (MOH), Ms. Noeline Namulindwa (MOH), Ms. Annet Namutebi (MOH), Ms. Esther Naluyiga (MOH), Mr. Daniel Walusagga (UHSC), Mr. Joseph Sseruwu (UHSC), Ms. Narine Saroyan (UHSC), Ms. Brandinah Mbabazi (UHSC), Mr. Robert McGregor (CHAI), Ms. Florence Nampala (MOH), Ms. Edita Katushaberuhanga (MOH), Mr. Richard Kalyango (MOH)

Finally, we thank the taskforce secretariat Dr. Monica Imi, Juliet Namugambe Kitutu, Linacy Nampa, Dr. John Paul Wasswa, Gerrit Weeda, Judith Kyokusaba and Wilson Nyegenye who have worked tirelessly to ensure that the EMHSLU 2016 update is completed.



Morries Seru

Ag. Assistant Commissioner Health Services, Pharmacy
Ministry of Health

Abbreviations

ACHS	Assistant Commissioner of Health Services
ACP	AIDS Control Program
ACTH	Corticotrophin
AD	Autodisable
AFB	Acid Fast Bacillus
ALP	Alkaline phosphatase
ALT	Alanine Aminotransferase
ASOT	Anti Streptolysin-O Test
AST	Aspartate Aminotransferase
AZT	Zidovudine
BCG	Bacillus Calmette Guerin
BP	British Pharmacopoeia
BPC	British Pharmaceutical Codex
BUN	Blood Urea Nitrogen
Cal	calories
CD	Cluster of differentiation
CDC	Centers for Disease Control
CDT	Carbohydrate Deficient Transferrin
CH	Charriere Size = 0.33cm
CHAI	Clinton Health Access Initiative
CHS	Commissioner of Health Services
CMV	Cytomegalovirus
CRP	C-reactive protein
CSF	Cerebrospinal fluid
CT	computed tomography
DHO	District Health Officer
DHS	Dynamic Hip Screw
DMARDS	Disease Modifying Agents for Rheumatoid Disorders
DMPA	Medroxyprogesterone acetate
DNA	Deoxyribonucleic Acid
DPT	Diphtheria Pertussis Tetanus

Abbreviations

EC	Enteric coated
ECG	Electrocardiogram
EEG	Electroencephalography
EID	Emerging infectious diseases
EN	European Standards
ESR	Erythrocyte Sedimentation Rate
FG	French Gauge
FSH	Follicle stimulating hormone
Hb	Haemoglobin
HBV	Hepatitis B Virus
HCV	Hepatitis C virus
HDL	High Density Lipoprotein
HEPS	Coalition for Health Promotion and Social Development
HIV	Human immunodeficiency virus
HMIS	Health management information system
HVS	High vaginal swab
Ig	Immunoglobulin
IM	Intramuscular
inf	Infusion
INN	International Non-proprietary Name
ISO	International Organisation for Standardisation
IU	International Unit
IUD	Intrauterine device
IV	Intravenous
JMS	Joint Medical Stores
k	kilo
l	litre
LAM	Lipoarabinomannan
LDL	Low Density Lipoprotein
LH	Luteinizing hormone
LIA	Lysine Iron Agar
MCP	Malaria Control Program
mEq	milliequivalent

mg	milligram
MIC	Minimum Inhibitory Concentration
MIO	Mortality Indole Ornithine
ml	milliliter
mm	millimetre
MOH	Ministry of Health
MRI	Maganetic Resonance Imaging
MTB	Mycobacterium tuberculosis
MU	Mega Unit=One million (1,000,000) units
NaCl	Sodium Chloride
NCD	Non-Communicable Diseases
NDA	National Drug Authority
NMCP	National Malaria Control Program
NSAIM	Non-steroidal anti-inflammatory medicines
NTP	National Tuberculosis and Leprosy Program
OPG	Orthopantomograph
Pb	Lead
PCR	Polymerase chain reaction
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

Abbreviations

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

Introduction to EMHSLU 2016

Essential Medicines Concept

In 1999, the World Health Organization Expert Committee on Essential Medicines defined essential medicines as those medicines that satisfy the health care needs of the majority of the population at a cost that is affordable to them and their community. The essential medicines should be available at all times, 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 3 categories, according to the health impact:

V: Vital items are used to diagnose and treat life-threatening conditions, or which 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 available ALWAYS.

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

N: Necessary (or sometimes called **non-essential**) medicines are 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 prioritise 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 National Medical Stores on which items to procure and which products 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.

Level of use (L)

The items in the EMHSLU 2016 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., anticancers).

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 2016

The EMHSLU 2016 comprises of four sections, A-D.

Section A: Essential Medicines List 2016

This comprises of 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, 2015*. It consists of all medicines recommended in the UCG 2016 that were selected based on efficacy, safety and cost-effectiveness.

The specialist medicines are those for which specialised 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.

The 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 health care 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 2016 comprises a total of **674** medicines, **738** health supplies and **1108** laboratory supplies with 37%, 24% and 46% items classified as Vital on each list respectively.

Table 1: Medicines in EMHSLU 2016 by level of use (LOU) and VEN classification (General and Specialist)

LOU \ VEN	Vital	Essential	Necessary	Total
NR	21	21	25	67
RR	19	67	55	141
H	34	43	36	113
HC4	50	46	34	130
HC3	68	34	14	116
HC2	44	27	20	91
HC2 (HC1)	12	3	1	16
Total	248	241	185	674

Table 2: Specialist medicines in EMHSLU 2016 by level of use (LOU) and VEN classification

LOU \ VEN	Vital	Essential	Necessary	Total
NR	21	21	25	67
RR	15	42	31	88
H	18	11	12	41
HC4	3	2	1	6
HC3	0	0	1	1
Total	59	75	68	201

Table 3: Supplies in EMHSLU 2016 by level of use (LOU) and VEN classification

LOU \ VEN	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 (HC1)	1	1	0	2
Total	175	398	165	738

Table 4: Laboratory supplies in EMHSLU 2016 by level of use (LOU) and VEN classification

LOU \ VEN	Vital	Essential	Necessary	Total
NR	182	0	0	182
RR	31	33	0	64
H	68	210	192	470
HC4	74	20	80	174
HC3	47	57	4	108
HC2	104	1	5	110
Total	506	321	281	1108

Changes to the EMHSLU 2016

A total of 95 medicines/formulations were deleted from the 2012 Essential Medicine List for Uganda (EMLU) and 141 new medicines or formulations were included in 2016 essential medicines list. The main reasons for deletion and addition of medicines were to align with the most current treatment guidelines, evidence and/or development of new and better formulation or fixed dose combinations.

Essential medicines/formulations deleted from 2012 edition

1. Abacavir + Lamivudine tablet 60 mg + 30 mg
2. Abacavir oral solution 20 mg/ml
3. Amoxicillin capsule 500 mg
4. Amoxicillin tablet 250 mg
5. Amphotericin B oral suspension 100 mg/ml
6. Bzotropine injection 1 mg/ml
7. Bromocriptine tablet 2.5 mg
8. Bupivacaine injection 0.25%
9. Carbamazepine syrup 100 mg/5 ml
10. Carvedilol tablet 12.5 mg
11. Chloramphenicol ophthalmic ointment 1%
12. Ciprofloxacin tablet 250 mg
13. Cotrimoxazole infusion 96 mg/ml
14. Cyclophosphamide tablet 50 mg
15. Cytarabine injection 100 mg/ml
16. Dacarbazine powder for injection 100 mg
17. Daunorubicin powder for injection 50 mg
18. Diatrizoate injection 60%
19. Diatrizoate injection 76%
20. Diclofenac suppository 12.5 mg
21. Diclofenac suppository 50 mg

22. Diclofenac tablet 25 mg
23. Dithranol ointment 0.10%
24. Docetaxel infusion 10 mg/ml
25. Efavirenz capsule 100 mg
26. Emtricitabine capsule 200 mg
27. Ergometrine maleate injection 500 µg/ml
28. Ferrous salt paediatric oral solution 25 mg iron/ml
29. Fluconazole capsule 50 mg
30. Gemcitabine powder for injection 200 mg
31. Glimepiride tablet 4 mg
32. Griseofulvin tablet 125 mg
33. Hydralazine tablet 25 mg
34. Hydrocortisone eye ointment 0.50%
35. Insulin zinc suspension injection 100 IU/ml
36. Iodine + Potassium iodide (Lugol's iodine) solution 2%
37. Iodised oil fluid injection 38%
38. Iloglycamate injection 17%
39. Iloglycamate injection 35%
40. Iohexol injection 18%
41. Iohexol injection 24%
42. Iohexol injection 30%
43. Iopanoic acid tablet 500 mg
44. Iothalamate injection 54%
45. Iothalamate injection 60%
46. Iothalamate injection 70%
47. Isosorbide dinitrate sublingual tablet 5 mg
48. Levodopa + carbidopa 250 mg + 25 mg
49. Lignocaine lozenge 4%
50. Lignocaine spray 10%
51. Loperamide tablet 2 mg
52. Lopinavir + ritonavir capsule 133.3 mg + 33.3 mg
53. Lopinavir + ritonavir oral solution 80 mg + 20 mg/ml
54. Lorazepam tablet 2.5 mg
55. Malathion aqueous lotion 0.5%

56. Mebendazole tablet 500 mg
57. Miconazole pessary 100 mg
58. Nalidixic acid tablet 500 mg
59. Neomycin + bacitracin ointment 5 mg + 250 IU
60. Nifurtimox tablet 250 mg
61. Nifurtimox tablet 30 mg
62. Nystatin cream/ointment 100,000 IU/g
63. Papaverutum + hyoscine injection 15.4 mg/ml + 0.4 mg/ml
64. Phenytoin tablet 50 mg
65. Plague vaccine injection single-dose vial
66. Prednisolone forte eye drops 1%
67. Prednisolone tablet 20 mg
68. Prochlorperazine maleate tablet 5 mg
69. Proguanil tablet 100 mg
70. Propranolol injection 1 mg/ml
71. Pyrazinamide tablet 500 mg
72. Ranitidine tablet 150 mg
73. Ritodrine tablet 10 mg
74. Salbutamol nebuliser solution 2 mg/ml
75. Salicylic acid ointment 2%
76. Silver nitrate pencil 40%
77. Stavudine + Lamivudine + Nevirapine dispersible tablet 12 mg + 60 mg + 100 mg
78. Stavudine + Lamivudine + Nevirapine dispersible tablet 6 mg + 30 mg + 50 mg
79. Stavudine + Lamivudine tablet 12 mg + 60 mg
80. Stavudine + Lamivudine tablet 30 mg + 150 mg
81. Stavudine + Lamivudine tablet 6 mg + 30 mg
82. Streptomycin powder for injection 1 g
83. Sulphur + salicylic acid cream/ointment 2% + 2%
84. Tenofovir + Emtricitabine tablet 300 mg + 200 mg
85. Tenofovir + Emtricitabine + Efavirenz tablet 300 mg + 200 mg + 600 mg

86. Tenofovir + Lamivudine tablet 300 mg + 150 mg
87. Trichloroacetic acid cream 10%
88. Valproate 200 mg
89. Valproate syrup 200 mg/5 ml
90. Warfarin tablet 1 mg
91. Water for injection 2 ml
92. Water for injection 5 ml
93. Zidovudine + Lamivudine + Abacavir tablet 300 mg + 150 mg + 300 mg
94. Zidovudine oral solution 10 mg/ml
95. Zinc sulphate tablet 30 mg

Essential medicines/formulations added to 2016 edition

1. Abacavir tablet (dispersible) 60 mg
2. Abacavir + Lamivudine dispersible tablet 120 mg + 60 mg
3. Abacavir + Lamivudine tablet 600 mg + 300 mg
4. Acetylcysteine injection 200 mg/ml
5. Amikacin powder for injection 1 g
6. Amoxicillin + clavulanic acid tablet 875/125 mg
7. Amoxicillin capsule 250 mg
8. Amoxicillin dispersible tablet 250 mg
9. Anastrozole tablet 1mg
10. Atorvastatin tablet 40 mg
11. Bedaquiline tablet 100 mg
12. Bicalutamide tablet 50 mg
13. Bisoprolol tablet 5 mg
14. Bupivacaine with dextrose injection 4 ml; 0.50% in dextrose 8.0%
15. Buprenorphine tablet 400 µg
16. Capecitabine tablet 500 mg
17. Capreomycin powder for injection 1 g
18. Carvedilol tablet 6.25 mg
19. Cefalexin capsule 250 mg
20. Chloramphenicol ear drops 5%

21. Chlorhexidine digluconate gel 7.1% (equivalent to 4% chlorhexidine)
22. Chlorhexidine solution 0.2%
23. Chloroquine tablet 150 mg
24. Ciprofloxacin ear drops 0.3%
25. Ciprofloxacin solution for IV infusion 2 mg/ml
26. Clofazimine tablet 50 mg
27. Clonidine tablet 100 µg
28. Clopidogrel tablet 75 mg
29. Cloxacillin capsule 250 mg
30. Copper containing intrauterine device; copper T380A
31. Cotrimoxazole tablet 960 mg
32. Cyclophosphamide capsule 100 mg
33. Cycloserine capsule 250 mg
34. Cytarabine injection 20 mg/ml
35. Dacarbazine powder for injection 200 mg
36. Dapsone tablet 100 mg
37. Dapsone tablet 50 mg
38. Darunavir + Ritonavir tablet 600 mg + 100 mg
39. Darunavir + Ritonavir tablet 75 mg + 100 mg
40. Daunorubicin powder for injection 20 mg
41. Diazepam suppository 2.5 mg
42. Diclofenac gel 1%
43. Diclofenac tablet 50 mg
44. Docetaxel infusion 40 mg/ml
45. Dolutegravir tablet 50 mg
46. Eflornithine injection 200 mg
47. Entecavir oral liquid 0.05 mg/ml
48. Ethambutol tablet 100 mg
49. Ethionamide tablet 250 mg, 125 mg
50. Etoposide injection 20 mg/ml
51. Etravirine tablet 200 mg
52. Etravirine tablet 25 mg
53. Female polyurethane/nitrile condoms

54. Filgrastim injection 300 µg/ml
55. Fluconazole oral suspension 50 mg/5 ml (35 ml)
56. Fluconazole tablet 200 mg
57. Fluconazole injection 2 mg/ml (100 ml)
58. Formoterol aerosol inhalation 12 µg/ metered dose inhalation
59. Fresh frozen plasma
60. Gemcitabine powder for injection 1 g
61. Glimepiride tablet 2 mg
62. Goserelin injection 10.8 mg
63. Goserelin injection 3.6 mg
64. Imipenem/cilastatin powder for injection 500 mg
65. Iohexol 350, non-ionic injection 100 ml
66. Iohexol 350, non-ionic injection 50 ml
67. Iopromide 370, non-ionic injection 100 ml
68. Iopromide 370, non-ionic injection 50 ml
69. Ipratropium bromide aerosol inhalation 20 µg/ metered dose inhalation
70. Ipratropium bromide nebulizer solution 250 µg/ml
71. Isoniazid tablet 300 mg
72. Isoniazid tablet dispersible 100 mg
73. Isosorbide dinitrate tablet 30 mg
74. Kanamycin powder for injection 1 g
75. Lamotrigine tablet 25 mg
76. Levofloxacin tablet 250 mg
77. Levonorgestrel implant (2 silicone rods) 150 mg
78. Levonorgestrel releasing intrauterine system 52 mg
79. Lignocaine spray 5%
80. Linezolid tablet 600 mg
81. Liposomal Amphotericin B powder for injection 50 mg
82. Liquid paraffin oral emulsion 100 ml
83. Lopinavir + ritonavir pellets/capsule 40 mg + 10 mg/ml
84. Medroxyprogesterone acetate (Depot) subcutaneous injection 104 mg/ml

85. Mefenamic acid tablet 500 mg
86. Meropenem powder for injection 500 mg
87. Metronidazole gel 0.75%
88. Metronidazole powder 0.75%
89. Moon beads
90. Moxifloxacin tablet 400 mg
91. Multivitamin syrup 100 ml
92. Neomycin + Betamethasone eye drops 0.5% + 0.1%
93. Nevirapine tablet 50 mg
94. Nicotine replacement therapy gum 2 mg
95. Nicotine replacement therapy patch 7 mg/24 hrs
96. Norgestrel tablet 0.075 mg
97. Omeprazole injection 40 mg
98. Ondansetron injection 2 mg/ml
99. Ondansetron tablet 4 mg
100. Oseltamivir capsule 30 mg
101. Oseltamivir capsule 45 mg
102. Oseltamivir capsule 75 mg
103. Oxaliplatin injection 5 mg/ml
104. Packed cells
105. Paclitaxel powder for injection 100 mg
106. P-Aminosalicylic acid granules 4 g
107. Pentamidine isethionate injection 200 mg
108. Piperacillin/tazobactam injection 2 g/ 250 mg
109. Pizotifen tablet 0.5 mg
110. Platelets
111. Poliomyelitis vaccine injection, inactivated 0.5 ml
112. Potassium permanganate aqueous solution 0.05%
113. Prothionamide tablet 250 mg
114. Pyrazinamide tablet 400 mg
115. Pyridoxine (Vitamin B₆) 25 mg
116. Quetiapine tablet 100 mg
117. Raltegravir tablet (chewable) 100 mg
118. Raltegravir tablet 400 mg

119. Resomal powder for 1 litre WHO formula
120. Rifabutin capsule 150 mg
121. Rifampicin + isoniazid + ethambutol tablet 150 mg + 75 mg + 275 mg
122. Rifampicin tablet 150 mg
123. Ritonavir tablet 100 mg
124. Ritonavir tablet 25 mg
125. Salbutamol injection 0.5 mg/ml
126. Saquinavir + Ritonavir tablet 500 mg + 100 mg
127. Sulfadiazine tablet 500 mg
128. Sumatriptan tablet 50 mg
129. Surgical spirit (ethanol) solution 70%
130. Tenofovir + Lamivudine tablet 300 mg + 300 mg
131. Thalidomide capsule 50 mg
132. Thalidomide capsule 100 mg
133. Tramadol capsule 50 mg
134. Tramadol injection 50 mg/ml
135. Tranexamic acid tablet 500 mg
136. Triamcinolone injection 40 mg/ml
137. Vinblastine sulfate powder for injection 10 mg
138. Vinblastine sulfate powder for injection 2 mg
139. Whole blood
140. Zidovudine + Lamivudine + Nevirapine tablet 60 mg + 30 mg + 50 mg
141. Zidovudine + Lamivudine tablet 60 mg + 30 mg

Amendments

Proposals for amendments to the EMHSLU 2016 with relevant arguments and literature should be sent to:

Ministry of Health Pharmacy Department,
Plot 6 Lourdel Road, Nakasero
PO Box 7272, Kampala Uganda
Email: ugandaclinicalguidelines@gmail.com

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 organisation/individual consulted and/or supporting the application
- International Non-proprietary Name (INN, generic name) of the medicine
- Formulation proposed for inclusion: 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)

SECTION A: ESSENTIAL MEDICINES LIST 2016

MEDICINE	DS	STR	L	C
1. ANAESTHETICS				
1.1 General anaesthetics and oxygen				
1.1.1 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
<i>Specialist medicines</i>				
<i>Desflurane</i>	<i>Liquid for inhalation</i>	<i>100%</i>	<i>NR</i>	<i>E</i>
<i>Nitrous oxide</i>	<i>Medical gas</i>	<i>99.999%</i>	<i>H</i>	<i>E</i>
<i>Sevoflurane</i>	<i>Liquid for inhalation</i>	<i>100%</i>	<i>NR</i>	<i>V</i>
1.1.2 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
<i>Specialist medicines</i>				
<i>Etomidate</i>	<i>Injection</i>	<i>2 mg/ml</i>	<i>RR</i>	<i>E</i>
1.2 Local anaesthetics				
Lignocaine	Injection	2%	HC2	V

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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% in dextrose 8.0%	HC4	V
Specialist medicines				
<i>Lignocaine + epinephrine (adrenaline)</i>	<i>Injection (dental cartridge)</i>	<i>2% + 1:80 000</i>	<i>HC4</i>	<i>V</i>
<i>Lignocaine</i>	<i>Injection (epidural)</i>	<i>2%</i>	<i>RR</i>	<i>V</i>
<i>Lignocaine + adrenaline</i>	<i>Injection</i>	<i>1% + 1:2,000,000</i>	<i>NR</i>	<i>N</i>
<i>Bupivacaine (with preservative)</i>	<i>Injection</i>	<i>0.50%</i>	<i>RR</i>	<i>E</i>
1.3 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				
<i>Droperidol</i>	<i>Injection</i>	<i>2.5 mg/ml</i>	<i>H</i>	<i>N</i>
<i>Fentanyl</i>	<i>Injection</i>	<i>50 µg/ml</i>	<i>H</i>	<i>V</i>
<i>Glycopyrrolate</i>	<i>Injection</i>	<i>200 µg/ml</i>	<i>RR</i>	<i>V</i>
<i>Lorazepam</i>	<i>Injection</i>	<i>4 mg/ml</i>	<i>H</i>	<i>E</i>
<i>Midazolam</i>	<i>Injection</i>	<i>2 mg/ml</i>	<i>RR</i>	<i>V</i>
<i>Phenylephrine</i>	<i>Injection</i>	<i>10 mg/ml</i>	<i>H</i>	<i>V</i>

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MEDICINE	DS	STR	L	C
<i>Remifentanyl</i>	<i>Powder for injection</i>	<i>1 mg</i>	<i>NR</i>	<i>V</i>
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
<i>Specialist medicines</i>				
<i>Mefenamic acid</i>	<i>Tablet</i>	<i>500 mg</i>	<i>H</i>	<i>N</i>
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
2.3 Medicines for other common symptoms in palliative care				
Aciclovir	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

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MEDICINE	DS	STR	L	C
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

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
Hydrocortisone sodium succinate	Powder for injection	100 mg	HC3	V

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MEDICINE	DS	STR	L	C
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 K ₁)	Injection	10 mg	HC4	E
Specialist medicines				
<i>Calcium folinate (folic acid)</i>	<i>Injection</i>	<i>3 mg/ml</i>	<i>RR</i>	<i>E</i>
<i>Desferrioxamine (Desferroxamine) mesilate</i>	<i>Powder for injection</i>	<i>500 mg</i>	<i>NR</i>	<i>N</i>
<i>Dimercaprol</i>	<i>Injection</i>	<i>50 mg/ml</i>	<i>NR</i>	<i>N</i>
<i>Methionine</i>	<i>Tablet</i>	<i>250 mg</i>	<i>H</i>	<i>N</i>
<i>Methylthioninium chloride (methylene blue)</i>	<i>Injection</i>	<i>10 mg/ml</i>	<i>H</i>	<i>N</i>
<i>Penicillamine</i>	<i>Tablet</i>	<i>250 mg</i>	<i>NR</i>	<i>N</i>
<i>Pralidoxime mesylate</i>	<i>Powder for injection</i>	<i>1 g</i>	<i>RR</i>	<i>E</i>

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MEDICINE	DS	STR	L	C
<i>Benztropine</i>	<i>Injection</i>	<i>1 mg/ml</i>	<i>H</i>	<i>E</i>
<i>Flumazenil</i>	<i>Injection</i>	<i>0.1 mg/ml</i>	<i>H</i>	<i>N</i>
<i>Sodium thiosulphate</i>	<i>Injection</i>	<i>250 mg/ml</i>	<i>NR</i>	<i>N</i>
<i>Protamine</i>	<i>Injection</i>	<i>10 mg/ml</i>	<i>H</i>	<i>E</i>

5. ANTIEPILEPTICS/ANTICONVULSANTS

Carbamazepine	Tablet	200 mg	HC3	V
Carbamazepine	Tablet (chewable)	100 mg	HC3	V
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
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	RR	E
Sodium valproate	Tablet (crushable)	100 mg	HC4	E

Specialist medicines

<i>Lamotrigine</i>	<i>Tablet</i>	<i>25 mg</i>	<i>RR</i>	<i>E</i>
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6. ANTIINFECTIVE MEDICINES
6.1 Antihelminthics
6.1.1 Intestinal antihelminthics

Albendazole	Tablet	400 mg	HC1	V
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MEDICINE	DS	STR	L	C
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 Antischistosomes and other antitrematode medicines				
Ivermectin	Tablet	6 mg	HC3	E
Praziquantel	Tablet	600 mg	HC4	E
Specialist medicines				
<i>Diethylcarbamazine citrate</i>	<i>Tablet</i>	<i>50 mg</i>	<i>H</i>	<i>N</i>
6.2 Antibacterials				
6.2.1 Beta-lactam medicines				
Amoxicillin	Capsule	250 mg	HC2	V
Amoxicillin	Dispersible tablet	250 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

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MEDICINE	DS	STR	L	C
Cefixime	Tablet	200 mg	H	N
Ceftriaxone	Powder for injection	1 g	HC3	V
Cloxacillin	Capsules	250 mg	HC3	E
Cloxacillin	Powder for injection	500 mg	HC3	E
Phenoxymethylpenicillin	Tablet	250 mg	HC2	N
Procaine benzylpenicillin forte	Powder for injection	4 MU	H	N
Specialist Medicines				
<i>Cefuroxime</i>	<i>Tablet</i>	<i>250 mg</i>	<i>RR</i>	<i>E</i>
<i>Cefuroxime</i>	<i>Oral suspension</i>	<i>125 mg/5 ml</i>	<i>RR</i>	<i>N</i>
<i>Cefuroxime sodium</i>	<i>Powder for injection</i>	<i>500 mg</i>	<i>RR</i>	<i>E</i>
<i>Meropenem</i>	<i>Powder for injection</i>	<i>500 mg</i>	<i>RR</i>	<i>V</i>
<i>Imipenem/cilastatin</i>	<i>Powder for injection</i>	<i>500 mg</i>	<i>RR</i>	<i>E</i>
<i>Piperacillin/Tazobactam</i>	<i>Powder for injection</i>	<i>2 g/250 mg</i>	<i>RR</i>	<i>E</i>
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

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MEDICINE	DS	STR	L	C
Ciprofloxacin	Tablet	500 mg	HC2	V
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				
<i>Ciprofloxacin</i>	<i>Solution for IV infusion</i>	<i>2 mg/ml</i>	<i>RR</i>	<i>E</i>
<i>Paromomycin sulphate</i>	<i>Capsule</i>	<i>250 mg</i>	<i>RR</i>	<i>N</i>
<i>Cotrimoxazole</i>	<i>IV infusion</i>	<i>96 mg/ml</i>	<i>RR</i>	<i>N</i>
6.2.3 Antileprosy medicines				
Prednisolone	Tablet	5 mg	HC3	E
Rifampicin + clofazimine + dapsone	Tablet (blister)	600 mg + 300 mg + 100 mg	HC3	V

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MEDICINE	DS	STR	L	C
Rifampicin + clofazimine + dapsone	Tablet (blister)	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
6.2.4 Antituberculosis 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 + ethambutol	Tablet	150 mg + 75 mg + 275 mg	HC3	V

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MEDICINE	DS	STR	L	C
Rifampicin + isoniazid + pyrazinamide + ethambutol	Tablet	150 mg + 75 mg + 400 mg + 275 mg	HC3	V
Rifabutin	Capsule	150 mg	HC3	E
Specialist medicines				
<i>Amikacin</i>	<i>Powder for injection</i>	1 g	H	V
<i>Kanamycin</i>	<i>Powder for injection</i>	1 g	H	V
<i>Capreomycin</i>	<i>Powder for injection</i>	1 g	H	V
<i>Bedaquiline</i>	Tablet	100 mg	H	V
<i>Cycloserine</i>	Capsule	250 mg	H	V
<i>Ethionamide</i>	Tablet	250 mg, 125 mg	H	V
<i>Levofloxacin</i>	Tablet	250 mg	H	V
<i>Moxifloxacin</i>	Tablet	400 mg	H	V
<i>Linezolid</i>	Tablet	600 mg	H	V
<i>P-Aminosalicylic acid</i>	Granules	4 g	H	V
<i>Prothionamide</i>	Tablet	250 mg	H	V
<i>Amoxicillin + Clavulanic Acid</i>	Tablet	875/125 mg	H	V
<i>Clofazimine</i>	Capsule	100 mg	H	V
6.3 Antifungal medicines				
Clotrimazole	Pessary	100 mg	HC2	V
Fluconazole	Tablet	200 mg	HC3	V

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MEDICINE	DS	STR	L	C
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				
<i>Amphotericin B</i>	<i>Powder for injection</i>	<i>50 mg</i>	<i>H</i>	<i>V</i>
<i>Fluconazole</i>	<i>Oral Suspension</i>	<i>50 mg/5 ml (35 ml)</i>	<i>HC4</i>	<i>E</i>
<i>Fluconazole</i>	<i>Injection</i>	<i>2 mg/ml (100 ml)</i>	<i>H</i>	<i>V</i>
<i>Flucytosine</i>	<i>Injection</i>	<i>10 mg/ml</i>	<i>RR</i>	<i>N</i>
<i>Ketoconazole</i>	<i>Tablet</i>	<i>200 mg</i>	<i>H</i>	<i>N</i>
6.4 Antiviral medicines				
6.4.1 Antiherpes medicines				
Aciclovir	Tablet	200 mg	HC4	E
6.4.2 Antiretrovirals				
6.4.2.1 Nucleoside/ Nucleotide reverse transcriptase inhibitors				
Abacavir sulfate	Tablet	300 mg	HC3	V
Abacavir	Tablet (dispersible)	60 mg	HC3	V
Lamivudine	Tablet	150 mg	HC3	V
Tenofovir	Tablet	300 mg	HC3	V
Zidovudine	Tablet	300 mg	HC3	V
6.4.2.2 Non-nucleoside reverse transcriptase inhibitors				
Efavirenz	Tablet	600 mg	HC3	V

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MEDICINE	DS	STR	L	C
Efavirenz	Capsule	200 mg	HC3	V
Nevirapine	Suspension	10 mg/ml	HC3	V
Nevirapine	Tablet	50 mg	HC3	V
Nevirapine	Tablet	200 mg	HC3	V
Etravirine	Tablet	100 mg	H	E
Etravirine	Tablet	25 mg	H	E
6.4.2.3 Protease inhibitors				
Atazanavir + (ritonavir)	Tablet	300 mg + (100 mg)	HC3	V
Darunavir + (Ritonavir)	Tablet	75 mg + (100 mg)	H	E
Darunavir (+Ritonavir)	Tablet	600 mg + (100 mg)	H	E
Ritonavir	Tablet	25 mg	H	V
Lopinavir (+ Ritonavir)	Pellets /Capsule	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	H	E
Saquinavir (+Ritonavir)	Tablet	500 mg + 100 mg	H	E
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

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MEDICINE	DS	STR	L	C
Tenofovir + lamivudine	Tablet	300 mg + 300 mg	HC3	V
Zidovudine + Lamivudine	Tablet	300 mg + 150 mg	HC3	V
Zidovudine + Lamivudine	Tablet	60 mg + 30 mg	HC3	V
Tenofovir + Lamivudine + Efavirenz	Tablet	300 mg + 300 mg + 600 mg	HC2	V
Zidovudine + Lamivudine + Nevirapine	Tablet	300 mg + 150 mg + 200 mg	HC3	V
Zidovudine + Lamivudine + Nevirapine	Tablet	60 mg + 30 mg + 50 mg	HC3	V
6.4.2.5 Integrase inhibitors				
Raltegravir	Tablet (chewable)	100 mg	HC4	E
Raltegravir	tablet	400 mg	HC4	E
Dolutegravir	Tablet	50 mg	HC3	V
6.4.3 Antihepatitis medicines				
6.4.3.1 Medicines for Hepatitis B				
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

MEDICINE	DS	STR	L	C
6.4.4 Other antivirals				
<i>Specialist medicines</i>				
<i>Oseltamivir phosphate</i>	<i>Capsule</i>	<i>75 mg</i>	<i>RR</i>	<i>N</i>
<i>Oseltamivir phosphate</i>	<i>Capsule</i>	<i>45 mg</i>	<i>RR</i>	<i>N</i>
<i>Oseltamivir phosphate</i>	<i>Capsule</i>	<i>30 mg</i>	<i>RR</i>	<i>N</i>
<i>Ganciclovir sodium</i>	<i>Powder for injection</i>	<i>500 mg</i>	<i>RR</i>	<i>E</i>
6.5 Antiprotozoal medicines				
6.5.1 Antiamoebic and anti giardiasis medicines				
Metronidazole	Tablet	200 mg	HC2	V
Tinidazole	Tablet	500 mg	H	N
6.5.2 Antileishmaniasis medicines				
<i>Specialist medicines</i>				
<i>Sodium stibogluconate</i>	<i>Injection</i>	<i>100 mg/ml</i>	<i>RR</i>	<i>E</i>
<i>Liposomal Amphotericin B</i>	<i>Powder for injection</i>	<i>50 mg</i>	<i>RR</i>	<i>E</i>
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 + piperazine	Tablet	40 mg + 320 mg	HC4	E

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MEDICINE	DS	STR	L	C
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 Antipneumocystosis and antitoxoplasmosis medicines				
Cotrimoxazole	Tablet	480 mg	HC4	V
Cotrimoxazole	Tablet	960 mg	HC3	V
Dapsone	Tablet	100 mg	H	N
Prednisolone	Tablet	5 mg	HC4	V
Specialist medicines				
<i>Pyrimethamine</i>	<i>Tablet</i>	<i>25 mg</i>	<i>H</i>	<i>E</i>
<i>Sulfadiazine</i>	<i>Tablet</i>	<i>500 mg</i>	<i>H</i>	<i>E</i>
<i>Clindamycin</i>	<i>Capsule</i>	<i>150 mg</i>	<i>H</i>	<i>N</i>
<i>Clindamycin</i>	<i>Injection</i>	<i>150 mg/ml</i>	<i>H</i>	<i>E</i>
<i>Pentamidine isethionate</i>	<i>Powder for injection</i>	<i>300 mg</i>	<i>RR</i>	<i>E</i>
6.5.5 Antitrypanosomal medicines (African trypanosomiasis)				
6.5.5.1 African trypanosomiasis				
Specialist medicines				
<i>Nifurtimox</i>	<i>Tablet</i>	<i>120 mg</i>	<i>RR</i>	<i>E</i>
<i>Melarsoprol</i>	<i>Injection</i>	<i>36 mg/ml</i>	<i>RR</i>	<i>E</i>
<i>Pentamidine isethionate</i>	<i>Powder for injection</i>	<i>200 mg</i>	<i>RR</i>	<i>E</i>

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MEDICINE	DS	STR	L	C
<i>Suramin sodium</i>	<i>Powder for injection</i>	1 g	RR	E
<i>Eflornithine</i>	<i>Injection</i>	200 mg	RR	E
7. ANTIMIGRAINE MEDICINES				
7.1 For treatment of acute attacks				
Acetylsalicylic acid	Tablet	300 mg	HC2	N
Diclofenac	Injection	25 mg/ml	HC4	V
Ergotamine	Tablet	1 mg	RR	E
Ibuprofen	Tablet	200 mg	HC3	E
Paracetamol	Tablet	500 mg	HC1	E
<i>Specialist medicines</i>				
<i>Sumatriptan</i>	<i>Tablet</i>	<i>50 mg</i>	<i>RR</i>	<i>N</i>
7.2 For prophylaxis				
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				
<i>Specialist medicines</i>				
<i>Azathioprine</i>	<i>Powder for injection</i>	100 mg	NR	E
<i>Azathioprine</i>	<i>Tablet</i>	50 mg	NR	V
<i>Cyclosporin</i>	<i>Tablet</i>	25 mg	NR	N
<i>Cyclosporin</i>	<i>Capsules</i>	100 mg	NR	N
<i>Cyclosporin</i>	<i>Concentrate for IV inf</i>	50 mg/ml	NR	N

MEDICINE	DS	STR	L	C
8.2 Cytotoxic and adjuvant medicines				
<i>Specialist medicines</i>				
<i>Anastrozole</i>	<i>Tablet</i>	<i>1 mg</i>	<i>RR</i>	<i>V</i>
<i>Bicalutamide</i>	<i>Tablet</i>	<i>50 mg</i>	<i>RR</i>	<i>N</i>
<i>Bleomycin</i>	<i>Powder for injection</i>	<i>15 IU</i>	<i>RR</i>	<i>V</i>
<i>Calcium folinate (folinic acid)</i>	<i>Tablet</i>	<i>15 mg</i>	<i>RR</i>	<i>E</i>
<i>Capecitabine</i>	<i>Tablet</i>	<i>500 mg</i>	<i>RR</i>	<i>N</i>
<i>Calcium folinate (folinic acid)</i>	<i>Injection</i>	<i>10 mg/ml</i>	<i>NR</i>	<i>E</i>
<i>Carboplatin</i>	<i>Injection</i>	<i>10 mg/ml</i>	<i>RR</i>	<i>E</i>
<i>Chlorambucil</i>	<i>Tablet</i>	<i>2 mg</i>	<i>RR</i>	<i>E</i>
<i>Cisplatin</i>	<i>Injection</i>	<i>1 mg/ml</i>	<i>NR</i>	<i>V</i>
<i>Cyclophosphamide</i>	<i>Powder for injection</i>	<i>1 g</i>	<i>NR</i>	<i>V</i>
<i>Cyclophosphamide</i>	<i>Capsule</i>	<i>100 mg</i>	<i>NR</i>	<i>N</i>
<i>Cytarabine</i>	<i>Injection</i>	<i>20 mg/ml</i>	<i>NR</i>	<i>V</i>
<i>Dacarbazine</i>	<i>Powder for injection</i>	<i>200 mg</i>	<i>NR</i>	<i>V</i>
<i>Dactinomycin</i>	<i>Powder For Injection</i>	<i>500 µg</i>	<i>NR</i>	<i>V</i>
<i>Daunorubicin</i>	<i>Powder For Injection</i>	<i>20 mg</i>	<i>NR</i>	<i>V</i>
<i>Docetaxel</i>	<i>Infusion</i>	<i>40 mg/ml</i>	<i>RR</i>	<i>V</i>
<i>Doxorubicin (adriamycin)</i>	<i>Powder for injection</i>	<i>50 mg</i>	<i>NR</i>	<i>V</i>
<i>Etoposide</i>	<i>Injection</i>	<i>20 mg/ml</i>	<i>NR</i>	<i>V</i>
<i>Filgrastim</i>	<i>Injection</i>	<i>300 µg/ml</i>	<i>NR</i>	<i>V</i>
<i>Fluorouracil</i>	<i>Injection</i>	<i>50 mg/ml</i>	<i>NR</i>	<i>V</i>

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MEDICINE	DS	STR	L	C
<i>Gemcitabine</i>	<i>Powder for injection</i>	1 g	NR	V
<i>Goserelin</i>	<i>Injection</i>	10.8 mg	RR	V
<i>Goserelin</i>	<i>Injection</i>	3.6 mg	RR	V
<i>Goserelin</i>	<i>Implant</i>	3.6 mg	RR	V
<i>Hydroxycarbamide (hydroxyurea)</i>	<i>Capsule</i>	500 mg	RR	E
<i>Ifosfamide-Mesna</i>	<i>Powder for injection</i>	1 g	NR	V
<i>L-asparaginase</i>	<i>Injection</i>	10,000 IU	NR	V
<i>Irinotecan</i>	<i>Infusion</i>	20 mg/ml	NR	V
<i>Mercaptopurine</i>	<i>Tablet</i>	50 mg	NR	V
<i>Mustine</i>	<i>Powder for injection</i>	10 mg	NR	E
<i>Oxaliplatin</i>	<i>Injection</i>	5 mg/ml	NR	E
<i>Paclitaxel</i>	<i>Powder for injection</i>	100 mg	NR	V
<i>Procarbazine</i>	<i>Capsule</i>	50 mg	NR	V
<i>Rituximab</i>	<i>Concentrate for IV inf</i>	10 mg/ml	NR	E
<i>Stilboestrol</i>	<i>Tablet</i>	5 mg	RR	E
<i>Thalidomide</i>	<i>Capsule</i>	100 mg	NR	N
<i>Thalidomide</i>	<i>Capsule</i>	50 mg	NR	N
<i>Temozolamide</i>	<i>Capsule</i>	250 mg	NR	V
<i>Thioguanine</i>	<i>Tablet</i>	40 mg	NR	E
<i>Vinblastine sulfate</i>	<i>Powder for injection</i>	2 mg	NR	E
<i>Vinblastine sulfate</i>	<i>Powder for injection</i>	10 mg	NR	E
<i>Vincristine</i>	<i>Injection</i>	1 mg/ml	RR	V

MEDICINE	DS	STR	L	C
8.3 Hormones and antihormones				
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				
<i>Dexamethasone</i>	<i>Tablet</i>	<i>4 mg</i>	<i>HC4</i>	<i>E</i>
<i>Dexamethasone</i>	<i>Injection</i>	<i>4 mg/ml</i>	<i>H</i>	<i>E</i>
<i>Tamoxifen</i>	<i>Tablet</i>	<i>20 mg</i>	<i>NR</i>	<i>E</i>
9. ANTIPARKINSONISM MEDICINES				
Specialist				
<i>Levodopa-carbidopa</i>	<i>Tablet</i>	<i>100 mg + 25 mg</i>	<i>RR</i>	<i>E</i>
10. MEDICINES AFFECTING THE BLOOD				
10.1 Antianaemia medicines				
Ferrous sulphate	Tablet	200 mg	HC2	N
Ferrous sulphate + folic acid	Tablet	200 mg + 500 µg	HC2	V
Folic acid	Tablet	5 mg	HC2	E
Hydroxocobalamin (vitamin B ₁₂)	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 K ₁)	Injection	1 mg/ml	HC3	V

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MEDICINE	DS	STR	L	C
Phytomenadione (vitamin K ₁)	Injection	10 mg/ml	HC4	E
Warfarin	Tablet	5 mg	H	V
Specialist medicines				
<i>Streptokinase</i>	<i>Powder for injection</i>	<i>250,000 IU</i>	<i>RR</i>	<i>V</i>
<i>Tranexamic acid</i>	<i>Tablet</i>	<i>500 mg</i>	<i>H</i>	<i>N</i>
10.3 Other medicines for haemoglobinopathies				
<i>Hydroxycarbamide (hydroxyurea)</i>	<i>Capsule</i>	<i>500 mg</i>	<i>RR</i>	<i>E</i>
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				
<i>Factor VIII concentrate</i>	<i>Dried powder for injection</i>	<i>1,500 IU</i>	<i>NR</i>	<i>N</i>
<i>Factor IX (coagulation factors II, VII, IX, X) complex concentrate</i>	<i>Dried powder for injection</i>	<i>1,000 IU</i>	<i>RR</i>	<i>N</i>
11.2 Plasma substitutes				
Dextran 70	IV infusion	6%	HC4	N
Polygeline solution	IV infusion	3.5%	HC4	N

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MEDICINE	DS	STR	L	C
Specialist medicines				
<i>Albumin, human</i>	<i>IV infusion</i>	<i>25%</i>	<i>H</i>	<i>E</i>
12. CARDIOVASCULAR MEDICINES				
12.1 Antianginal medicines				
Atenolol	Tablet	50 mg	H	V
Glyceryl trinitrate <i>*acute attacks</i>	Tablet (sublingual)	500 µg	H	V
Acetylsalicylic acid <i>*acute attacks</i>	Tablet	300 mg	HC2	V
Specialist medicines				
<i>Isosorbide dinitrate</i>	<i>Tablet</i>	<i>30 mg</i>	<i>RR</i>	<i>N</i>
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				
<i>Amiodarone</i>	<i>Tablet</i>	<i>200 mg</i>	<i>NR</i>	<i>N</i>
<i>Amiodarone</i>	<i>Sterile concentrate</i>	<i>50 mg/ml</i>	<i>NR</i>	<i>E</i>
<i>Lignocaine</i>	<i>Injection</i>	<i>20 mg/ml</i>	<i>RR</i>	<i>E</i>
<i>Procainamide</i>	<i>Tablet</i>	<i>250 mg</i>	<i>RR</i>	<i>N</i>
12.3 Antihypertensive medicines				
Atenolol	Tablet	50 mg	H	N
Bendroflumethiazide	Tablet	5 mg	HC3	E
Captopril	Tablet	25 mg	HC4	E
Enalapril	Tablet	5 mg	HC4	N
Hydralazine	Tablet	50 mg	H	E

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MEDICINE	DS	STR	L	C
Hydralazine	Powder for injection	20 mg	HC4	V
Losartan	Tablet	50 mg	H	N
Methyldopa	Tablet	250 mg	HC3	E
Nifedipine	Tablet	20 mg	HC3	E
Propranolol	Tablet	40 mg	HC4	E
Specialist medicines				
<i>Amlodipine</i>	<i>Tablet</i>	<i>10 mg</i>	<i>RR</i>	<i>E</i>
<i>Candesartan cilexetil</i>	<i>Tablet</i>	<i>8 mg</i>	<i>NR</i>	<i>N</i>
<i>Labetalol</i>	<i>Injection</i>	<i>5 mg/ml</i>	<i>RR</i>	<i>V</i>
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				
<i>Bisoprolol</i>	<i>Tablet</i>		<i>RR</i>	<i>N</i>
<i>Dobutamine</i>	<i>Concentrate for IV inf</i>	<i>12.5 mg/ml</i>	<i>NR</i>	<i>V</i>
<i>Dopamine</i>	<i>Concentrate for IV inf</i>	<i>40 mg/5ml</i>	<i>RR</i>	<i>N</i>
<i>Epinephrine (adrenaline)</i>	<i>Injection</i>	<i>1 mg/ml</i>	<i>HC4</i>	<i>V</i>
<i>Norepinephrine (noradrenaline)</i>	<i>Injection</i>	<i>2 mg/ml</i>	<i>RR</i>	<i>V</i>

MEDICINE	DS	STR	L	C
12.5 Antithrombotic medicines				
12.5.1 Anti-platelet medicines				
Acetylsalicylic acid	Tablet	75 mg	HC3	E
<i>Specialist medicines</i>				
<i>Clopidogrel</i>	<i>Tablet</i>	<i>75 mg</i>	<i>NR</i>	<i>N</i>
12.6 Lipid-lowering agents				
Atorvastatin	Tablet	40 mg	H	N
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

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MEDICINE	DS	STR	L	C
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				
Benzoylperoxide	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)				
Benzyl benzoate	Lotion	25%	HC2	N
Potassium permanganate	Aqueous solution	0.05%	HC2	N
14. DIAGNOSTIC AGENTS				
14.1 Ophthalmic medicines				
Fluorescein sodium	Eye drops	1%	HC4	V
Physostigmine	Eye drops	0.25%	RR	N
Rose Bengal	Eye drops	1%	HC4	N
14.2 Cervical cancer screening				
Acetic acid	Solution	5%	HC3	E

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MEDICINE	DS	STR	L	C
Iodine + potassium iodide (Lugol's iodine)	Solution	2%	HC3	E
14.3 Radiocontrast media (only specialist treatment)				
<i>Specialist medicines</i>				
<i>Barium sulphate</i>	<i>Powder in water</i>	<i>75%</i>	<i>RR</i>	<i>E</i>
<i>Iopromide 370, non-ionic</i>	<i>Injection</i>	<i>100 ml</i>	<i>RR</i>	<i>N</i>
<i>Iopromide 370, non-ionic</i>	<i>Injection</i>	<i>50 ml</i>	<i>RR</i>	<i>N</i>
<i>Iohexol 350, non-ionic</i>	<i>Injection</i>	<i>50 ml</i>	<i>RR</i>	<i>N</i>
<i>Iohexol 350, non-ionic</i>	<i>Injection</i>	<i>100 ml</i>	<i>RR</i>	<i>N</i>
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

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MEDICINE	DS	STR	L	C
Calcium or sodium hypochlorite	Solution	5%	HC2	E
Glutaraldehyde	Solution	2%	H	N
16. DIURETICS				
Bendroflumethiazide	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				
<i>Mannitol</i>	<i>IV infusion</i>	<i>20%</i>	<i>RR</i>	<i>E</i>
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				
<i>Rabeprazole</i>	<i>Injection</i>	<i>20 mg</i>	<i>RR</i>	<i>N</i>
<i>Omeprazole</i>	<i>Injection</i>	<i>40 mg</i>	<i>RR</i>	<i>N</i>
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

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MEDICINE	DS	STR	L	C
Specialist medicines				
<i>Domperidone</i>	<i>Tablet</i>	<i>10 mg</i>	<i>H</i>	<i>N</i>
<i>Domperidone</i>	<i>Suspension</i>	<i>5 mg/5ml</i>	<i>H</i>	<i>N</i>
<i>Ondansetron</i>	<i>Tablet</i>	<i>4 mg</i>	<i>RR</i>	<i>E</i>
<i>Ondansetron</i>	<i>Injection</i>	<i>2 mg/ml</i>	<i>RR</i>	<i>E</i>
<i>Granisetron</i>	<i>Injection</i>	<i>1 mg/ml</i>	<i>RR</i>	<i>N</i>
17.3 Anti-inflammatory and antihæmorrhoids medicines				
Bismuth subgallate compound BP	Suppository	320 mg	HC4	N
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		H	N
17.5 Medicines used in diarrhoea				
17.5.1 Oral rehydration				
Oral rehydration salts	Oral powder for solution	WHO formula	HC1	V
17.5.2 Medicines for diarrhoea				
Zinc sulphate	Tablet (dispersible)	20 mg	HC1	V
Codeine	Tablet	30 mg	HC4	N

MEDICINE	DS	STR	L	C
17.6 Antispasmodics				
<i>Specialist medicines</i>				
<i>Hyoscine</i>	<i>Injection</i>	<i>20 mg/ml</i>	<i>RR</i>	<i>N</i>
<i>Propantheline</i>	<i>Tablet</i>	<i>15 mg</i>	<i>H</i>	<i>N</i>
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
<i>Specialist medicines</i>				
<i>ACTH (corticotrophin)</i>	<i>Powder for injection</i>	<i>40 IU</i>	<i>RR</i>	<i>N</i>
<i>Cortisone acetate</i>	<i>Tablet</i>	<i>25 mg</i>	<i>RR</i>	<i>N</i>
<i>Methylprednisolone</i>	<i>Powder for injection</i>	<i>500 mg</i>	<i>RR</i>	<i>N</i>
<i>Triamcinolone</i>	<i>Injection</i>	<i>40 mg/ml</i>	<i>RR</i>	<i>N</i>
18.2 Androgens				
<i>Specialist medicines</i>				
<i>Methyltestosterone</i>	<i>Tablet</i>	<i>5 mg</i>	<i>RR</i>	<i>N</i>
<i>Testosterone enantate</i>	<i>Injection (oily)</i>	<i>250 mg/ml</i>	<i>RR</i>	<i>N</i>
18.3 Contraceptives				
18.3.1 Oral hormonal contraceptives				
Ethinylestradiol + levonorgestrel	Tablet	30 µg + 150 µg	HC2	E

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MEDICINE	DS	STR	L	C
Ethinylestradiol + levonorgestrel	Tablet	50 µg + 250 µg	HC2	E
Ethinylestradiol + norethisterone	Tablet	50 µg + 1 mg	HC2	E
Ethinylestradiol + norgestrel	Tablet	30 µg + 300 µg	HC2 (HC1)	V
Levonorgestrel	Tablet	750 µg	HC2 (HC1)	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)	Subcutaneous injection	104 mg/ml	HC2	V
18.3.3 Intrauterine devices				
Copper containing device	Copper T380A	-	HC3	V
<i>Specialist medicines</i>				
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

MEDICINE	DS	STR	L	C
18.3.5 Implantable contraceptives				
Etonogestrel	Implant (1 radiopaque rod)	68 mg	HC3	V
Levonorgestrel	Implant (2 silicone rods)	150 mg	HC3	E
18.3.6 Others				
Moon beads	Beads	-	HC2	N
18.4 Oestrogens				
<i>Specialist medicines</i>				
<i>Stilboestrol</i>	<i>Tablet</i>	<i>5 mg</i>	<i>RR</i>	<i>E</i>
18.5 Insulins and medicines used for diabetes				
Biphasic isophane insulin (soluble + isophane insulin)	Injection	30% + 70% in 100 IU/ml	HC4	V
Insulin isophane	Injection	100 IU/ml	HC4	V
Soluble insulin	Injection	100 IU/ml	HC4	V
Glibenclamide	Tablet	5 mg	HC4	E
Glimepiride	Tablet	2 mg	H	E
Metformin	Tablet	500 mg	HC3	V
Pioglitazone	Tablet	30 mg	RR	N
18.6 Ovulation inducers				
<i>Specialist medicines</i>				
<i>Clomifene</i>	<i>Tablet</i>	<i>50 mg</i>	<i>RR</i>	<i>N</i>
<i>Bromocriptine</i>	<i>Tablet</i>	<i>2.5 mg</i>	<i>RR</i>	<i>N</i>

MEDICINE	DS	STR	L	C
18.7 Progestogens				
<i>Specialist medicines</i>				
<i>Norethisterone</i>	<i>Tablet</i>	<i>5 mg</i>	<i>RR</i>	<i>E</i>
18.8 Thyroid hormones and antithyroid medicines				
Carbimazole	Tablet	5 mg	H	V
Levothyroxine (thyroxine)	Tablet	100 µg	H	V
<i>Specialist medicines</i>				
<i>Iodine (I) + potassium iodide (Lugol's)</i>	<i>Oral solution</i>	<i>5% + 10%, 130 mg total iodine/ml</i>	<i>RR</i>	<i>E</i>
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	E
Anti-Tetanus immunoglobulin, human (TIG)	Injection	500 IU	HC4	V
Anti-Rabies immunoglobulin, human (RIG)	Injection	150 IU/ml	H	V

SECTION A: ESSENTIAL MEDICINES LIST 2016

MEDICINE	DS	STR	L	C
Rabies vaccine, human diploid	Injection	Purified VERO cell culture ≥ 2.5 IU/ 0.5 ml	H	V
Antivenom sera polyvalent (East and Central Africa)	Injection	Mixture of 11 <i>Bitis</i> , <i>Naja</i> , <i>Echis</i> and <i>Dendroaspis spp</i> in 10 ml vial	H	E
Specialist medicines				
<i>Normal immunoglobulin, human</i>	<i>Injection</i>	<i>16%</i>	<i>NR</i>	<i>N</i>
<i>Antiscorpion serum</i>	<i>Injection</i>	<i>Mixture of Androctonus, Leiurus and Buthus spp in 10 ml vial</i>	<i>RR</i>	<i>N</i>
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	<i>Diphtheria, Tetanus Toxoid; Borditella Pertussis</i> (20-dose vial (10 ml))	HC2	V

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MEDICINE	DS	STR	L	C
Diphtheria-pertussis-tetanus-hepatitis B- <i>haemophilus influenzae</i> 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 µg/ml	HC2	V

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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
20. MUSCLE RELAXANTS (PERIPHERALLY-ACTING) AND CHOLINESTERASE INHIBITORS				
Suxamethonium	Injection	50 mg/ml	HC4	V
Atracurium besilate	Injection	10 mg/ml	H	V
Rocuronium bromide	Injection	10 mg/ml	H	E
<i>Specialist medicines</i>				
<i>Cisatracurium</i>	<i>Injection</i>	<i>2 mg/ml</i>	<i>H</i>	<i>N</i>
<i>Neostigmine</i>	<i>Injection</i>	<i>2.5 mg/ml</i>	<i>HC4</i>	<i>E</i>
<i>Neostigmine</i>	<i>Tablet</i>	<i>15 mg</i>	<i>NR</i>	<i>N</i>
<i>Pancuronium bromide</i>	<i>Injection</i>	<i>2 mg/ml</i>	<i>HC4</i>	<i>V</i>
<i>Vecuronium bromide</i>	<i>Powder For Injection</i>	<i>10 mg</i>	<i>NR</i>	<i>V</i>
21. OPHTHALMOLOGICAL PREPARATIONS				
21.1 Anti-infective agents				
Chloramphenicol	Eye drops/ Ointment	0.50%	HC2	E
Ciprofloxacin	Eye/ear drops	0.30%	HC3	N
Gentamicin	Eye/ear drops)	0.30%	HC2	E
Povidone-iodine	Eye drops	5%	RR	E

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MEDICINE	DS	STR	L	C
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				
Aciclovir	Eye ointment	3%	HC4	E
Ganciclovir	Ophthalmic gel	0.15%	RR	N

SECTION A: ESSENTIAL MEDICINES LIST 2016

MEDICINE	DS	STR	L	C
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
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

SECTION A: ESSENTIAL MEDICINES LIST 2016

MEDICINE	DS	STR	L	C
21.9 Anti-metabolites				
Fluorouracil	Injection	50 mg/ml	RR	N
Mitomycin	Powder for injection	20 mg	RR	N
21.10 Lubricants				
Hydroxyethylcellulose (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
Oxytocin	Injection	10 IU/ml	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				
<i>Specialist medicines</i>				
<i>Peritoneal dialysis solution</i>	<i>Solution</i>	<i>2.5% (glucose)</i>	<i>RR</i>	<i>E</i>
<i>Peritoneal dialysis solution</i>	<i>Solution</i>	<i>4.25% (glucose)</i>	<i>RR</i>	<i>E</i>
<i>Peritoneal dialysis solution</i>	<i>Solution</i>	<i>1.5% (glucose)</i>	<i>RR</i>	<i>E</i>

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MEDICINE	DS	STR	L	C
<i>Liquid concentrate for haemodialysis</i>	<i>Liquid</i>	<i>32 mEq/L bicarbonate + 5 mEq/L acetate</i>	<i>RR</i>	<i>E</i>
<i>Liquid concentrate for haemodialysis (bicarbonate + acetate)</i>	<i>Liquid</i>	<i>33 mEq/l + 4 mEq/l</i>	<i>RR</i>	<i>E</i>
24. MEDICINES FOR MENTAL AND BEHAVIOURAL DISORDERS				
24.1 Medicines used in psychotic disorders				
Benzhexol	Tablet	2 mg	HC2	V
Chlorpromazine	Tablet	25 mg	HC2	N
Chlorpromazine	Tablet	100 mg	HC2	V
Chlorpromazine	Injection	25 mg/ml	HC4	V
Diazepam	Injection	5 mg/ml	HC4	V
Diazepam	Rectal	2 mg/ml	HC3	V
Fluphenazine decanoate	Injection (oily)	25 mg/ml	HC4	E
Haloperidol	Tablet	5 mg	HC4	E
Haloperidol	Tablet	10 mg	HC4	V
Haloperidol	Injection	5 mg/ml	HC4	V
Trifluoperazine	Tablet	5 mg	H	E
Specialist medicines				
<i>Haloperidol decanoate</i>	<i>Injection (oily)</i>	<i>100 mg/ml</i>	<i>RR</i>	<i>V</i>
<i>Quetiapine</i>	<i>Tablet</i>	<i>100 mg</i>	<i>NR</i>	<i>E</i>
<i>Methylphenidate</i>	<i>Tablet</i>	<i>5 mg</i>	<i>RR</i>	<i>E</i>
<i>Olanzapine</i>	<i>Tablet</i>	<i>10 mg</i>	<i>RR</i>	<i>N</i>

MEDICINE	DS	STR	L	C
<i>Risperidone</i>	<i>Tablet</i>	<i>2 mg</i>	<i>RR</i>	<i>E</i>
<i>Zuclopenthixol decanoate</i>	<i>Injection (oily)</i>	<i>200 mg/ml</i>	<i>NR</i>	<i>N</i>
24.2 Medicines used in mood disorders				
24.2.1 Medicines used in depressive disorders				
<i>Amitriptyline</i>	<i>Tablet</i>	<i>25 mg</i>	<i>HC3</i>	<i>V</i>
<i>Imipramine</i>	<i>Tablet</i>	<i>25 mg</i>	<i>HC4</i>	<i>N</i>
<i>Fluoxetine</i>	<i>Capsule</i>	<i>20 mg</i>	<i>HC4</i>	<i>V</i>
24.2.2 Medicines used in bipolar disorders				
<i>Specialist medicines</i>				
<i>Carbamazepine</i>	<i>Tablet</i>	<i>200 mg</i>	<i>H</i>	<i>V</i>
<i>Lithium carbonate</i>	<i>Tablet</i>	<i>400 mg</i>	<i>NR</i>	<i>E</i>
<i>Lamotrigine</i>	<i>Tablet</i>	<i>100 mg</i>	<i>NR</i>	<i>N</i>
<i>Valproate</i>	<i>Tablet</i>	<i>500 mg</i>	<i>RR</i>	<i>E</i>
24.3 Medicines for anxiety disorders				
<i>Diazepam</i>	<i>Tablet</i>	<i>5 mg</i>	<i>HC2</i>	<i>V</i>
<i>Fluoxetine</i>	<i>Capsule</i>	<i>20 mg</i>	<i>HC4</i>	<i>V</i>
<i>Specialist medicines</i>				
<i>Alprazolam</i>	<i>Tablet</i>	<i>0.5 mg</i>	<i>RR</i>	<i>N</i>
<i>Clonazepam</i>	<i>Tablet</i>	<i>2 mg</i>	<i>RR</i>	<i>E</i>
24.4 Medicines for disorders due to psychoactive substance use				
<i>Specialist medicines</i>				
<i>Naltrexone</i>	<i>Tablet</i>	<i>50 mg</i>	<i>RR</i>	<i>E</i>
<i>Buprenorphine</i>	<i>Tablet</i>	<i>400 µg</i>	<i>NR</i>	<i>E</i>
<i>Clonidine</i>	<i>Tablet</i>	<i>100 µg</i>	<i>NR</i>	<i>E</i>

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MEDICINE	DS	STR	L	C
<i>Nicotine replacement therapy</i>	<i>Patch</i>	<i>7 mg/24 hrs</i>	<i>NR</i>	<i>N</i>
<i>Nicotine replacement therapy</i>	<i>Gum</i>	<i>2 mg</i>	<i>NR</i>	<i>N</i>
25. MEDICINES ACTING ON THE RESPIRATORY TRACT				
25.1 Antiasthmatic and medicines for chronic obstructive pulmonary disease				
Salbutamol	Nebuliser solution	5 mg/ml	HC4	V
Salbutamol	Aerosol inhalation	100 µg/metered inhalation	HC3	V
Salbutamol	Tablet	4 mg	HC3	N
Aminophylline	Injection	25 mg/ml	HC4	N
Aminophylline	Tablet	100 mg	HC4	N
Beclomethasone	Aerosol inhalation	50 µg/metered dose inhalation	HC4	E
Epinephrine (adrenaline)	Injection	1 mg/ml	HC4	V
Formoterol	Aerosol inhalation	12 µg/meterd dose inhalation	RR	N
Hydrocortisone sodium succinate	Powder for injection	100 mg	HC4	V
Ipratropium bromide	Nebuliser solution	250 µg/ml	HC4	V

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MEDICINE	DS	STR	L	C
Ipratropium bromide	Aerosol inhalation	20 µg/metered dose inhalation	H	E
Prednisolone	Tablet	5 mg	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
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	0.9%	HC3	V
Sodium lactate compound (Hartmann's/Ringer's lactate solution)	IV infusion	BP formula	HC3	E

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MEDICINE	DS	STR	L	C
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 B ₆)	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 (B ₃ +B ₂ +B ₁)	Tablet	15 mg + 1 mg + 1 mg	RR	V
Vitamin B compound (strong) (B ₅ +B ₆ +B ₂ +B ₁)	Tablet	20 mg + 2 mg + 2 mg + 5 mg	HC4	N
Specialist medicines				
<i>Ergocalciferol</i> (vitamin D ₂)	<i>Tablet</i>	<i>250 µg</i> (10,000 IU)	<i>NR</i>	<i>E</i>
<i>Hydroxocobalamin</i> (vitamin B ₁₂)	<i>Injection</i>	<i>1 mg/ml</i>	<i>H</i>	<i>E</i>
28. EAR, NOSE AND THROAT MEDICINES				
28.1 Ear preparations				
Betamethasone	Eye/ear drops	0.10%	HC3	E
Chloramphenicol	Ear drops	5%	HC2	E

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MEDICINE	DS	STR	L	C
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	50 µg/me- tered 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 acetoneide	Oral paste	0.10%	RR	N

29. SPECIFIC MEDICINES FOR NEONATAL CARE**29.1 Medicines administered to the neonate**

Chlorhexidine digluconate	Gel	7.1% (equivalent to 4% chlor- hexidine)	HC2 (HC1)	V
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SECTION A: ESSENTIAL MEDICINES LIST 2016

MEDICINE	DS	STR	L	C
Tetracycline	Eye ointment	1%	HC2	V
Vitamin K	Injection	1 mg/ml	HC3	V
29.2 Medicines administered to the mother				
Dexamethasone	Injection	4 mg/ml	HC4	V
30. MEDICINES FOR DISEASES OF JOINTS				
30.1 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
<i>Specialist medicines</i>				
<i>Methotrexate</i>	<i>Tablet</i>	<i>2.5 mg</i>	<i>RR</i>	<i>E</i>
<i>Methotrexate</i>	<i>Injection</i>	<i>50 mg/ml</i>	<i>NR</i>	<i>E</i>
31. MEDICINES FOR NEUROSURGICAL USE				
31.1 For cerebral metabolism/perfusion				
<i>Specialist medicines</i>				
<i>Cerebrolysin</i>	<i>Injection</i>	<i>5 ml</i>	<i>NR</i>	<i>E</i>
<i>Piracetam</i>	<i>Tablet</i>	<i>800 mg</i>	<i>NR</i>	<i>E</i>
<i>Piracetam</i>	<i>Injection</i>	<i>125 mg/ml</i>	<i>NR</i>	<i>E</i>
32. NUTRITION				
Formula 75	Powder	75 kCal + 0.9g protein per 100ml	H	V

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MEDICINE	DS	STR	L	C
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	HC2 (HC1)	E
Combined mineral vitamin mix	Powder	Ka, Mg + other essential minerals	HC4	E
<i>Specialist medicines</i>				
<i>Amino acids (paediatric)</i>	<i>Injection</i>	<i>10%</i>	<i>NR</i>	<i>N</i>
<i>Fat emulsion</i>	<i>Injection (emulsion)</i>	<i>20%</i>	<i>NR</i>	<i>N</i>
<i>Starch emulsion</i>	<i>Injection (emulsion)</i>	<i>80% oil in water</i>	<i>NR</i>	<i>N</i>

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, 60 drops/ml	HC3	V
Set, infusion, scalp vein, with butterfly needle	0.5 mm, 25G	HC4	V

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

ITEM DESCRIPTION	SPECIFICATION	L	C
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 handscrub	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

SECTION B: GENERAL HEALTH SUPPLIES

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

ITEM DESCRIPTION	SPECIFICATION	L	C
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 cm	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

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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
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

ITEM DESCRIPTION	SPECIFICATION	L	C
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, 300 mm			
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

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

ITEM DESCRIPTION	SPECIFICATION	L	C
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			
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 tip 4-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	H	E
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

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ITEM DESCRIPTION	SPECIFICATION	L	C
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, non-sterile	Medium	HC2	V
Examination gloves, latex, non-sterile	Large	HC2	E
Gloves, ambidextrose, nitrile	Large	HC4	E

5.2 Surgical gloves

Gynaecological gloves	Size 7.5 (Medium)	HC2	E
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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
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6. LIGATURES, SUTURE MATERIALS AND SURGICALS

6.1 Sutures

6.1.1 Nylon suture

	100 cm, needle 40 mm ½		
Suture, thread M3.5 (0)	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

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

ITEM DESCRIPTION	SPECIFICATION	L	C
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
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 ½ circle taper fine	H	E

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
Suture silk, thread M2 (3/0)	75 cm, needle 30 mm ½ 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 surgicel	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

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

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

ITEM DESCRIPTION	SPECIFICATION	L	C
Scrub suit, green cotton, theatre	Medium	HC4	E
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

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ITEM DESCRIPTION	SPECIFICATION	L	C
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

ITEM DESCRIPTION	SPECIFICATION	L	C
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
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

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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
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

ITEM DESCRIPTION	SPECIFICATION	L	C
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

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ITEM DESCRIPTION	SPECIFICATION	L	C
Sound uterine sims, flexible, graduated	330 mm	HC3	E
Uterine curette	Blake, sharp/blunt, 275 mm	HC4	E
Umbilical cord clamp, plastic, disposable	Piece	H	N
Umbilical cord tie, cotton, non sterile	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 2lateral/1center 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

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ITEM DESCRIPTION	SPECIFICATION	L	C
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

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

ITEM DESCRIPTION	SPECIFICATION	L	C
Plaster saw 125 mm, engel	Non-electric	HC4	N
Plaster shears, stille	26 cm	HC4	N
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

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ITEM DESCRIPTION	SPECIFICATION	L	C
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

ITEM DESCRIPTION	SPECIFICATION	L	C
Vacuum extractor, compete 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

SECTION B: GENERAL HEALTH SUPPLIES

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
Applicator 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

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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
10. PACKING BAGS			
Body bag	Adult, 70 x 215 cm/90 x 234 cm	HC4	V
Dispensing envelopes	Plastic, 75 x 110 mm	HC2	V

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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
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, OneStep	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

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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	Greensensitive 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, MF 105	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

SECTION B: GENERAL HEALTH SUPPLIES

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

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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
Out patients 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
Post mortem 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

SECTION B: GENERAL HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
Tetanus toxoid immunisation card	Pack of 100	RR	N
Treatment sheet, HF 319	Booklet of 200 pages	RR	N
Ultrasound envelopes, khaki	11 X 22 cm, 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

ITEM DESCRIPTION	SPECIFICATION	L	C
Invasive blood pressure transducer kit, with system and stiff pressure tubing	Paediatric	RR	E
2.2 Tubes			
Biliary T-Tube	FG12	RR	E
Biliary T-Tube	FG14	RR	E
Biliary T-Tube	FG16	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

SECTION C: SPECIALIST HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

ITEM DESCRIPTION	SPECIFICATION	L	C
3.6 Plates			
Plate, angled blade	Diameter 50 mm, 95°, 6 holes	RR	E
Plate, angled blade	Diameter 50 mm, 95°, 7 holes	RR	E
Plate, angled blade	Diameter 50 mm, 95°, 8 holes	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, 5-22 holes	RR	E
Plates- side, dynamic hip (DHS)	Angle 130° or 135°, 4 holes	RR	E
Plates- side, dynamic hip (DHS)	Angle 130° or 135°, 5 holes	RR	E
Plates- side, dynamic hip (DHS)	Angle 130° or 135°, 6 holes	RR	E
Plates- side, dynamic hip (DHS)	Angle 130° or 135°, 7 holes	RR	E

SECTION C: SPECIALIST HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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
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SECTION C: SPECIALIST HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

SECTION C: SPECIALIST HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

SECTION C: SPECIALIST HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

SECTION C: SPECIALIST HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

ITEM DESCRIPTION	SPECIFICATION	L	C
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
Dialysis collecting bag	Varies	RR	E

SECTION C: SPECIALIST HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

ITEM DESCRIPTION	SPECIFICATION	L	C
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
Rasparatory 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

SECTION C: SPECIALIST HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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

SECTION C: SPECIALIST HEALTH SUPPLIES

ITEM DESCRIPTION	SPECIFICATION	L	C
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. OPHTHALMIC SUPPLIES

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

ITEM DESCRIPTION	SPECIFICATION	L	C
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 Trouser	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

ITEM DESCRIPTION	UNIT	L	C
1. HAEMATOLOGY			
1.1 Haematology reagents			
2% Turks Solution (WBCT Count)	500 ml	HC2	V
10% Formal Saline	100 ml	HC2	V
Drabkin solution	500 ml	HC2	V
Cyanmethaemoglobin Standard	10 ml	HC2	V
Micro Cuvettes	100 ml	HC2	V
0.85% Sodium Chloride (Saline)	1000 ml	HC2	V
Phosphate buffers tablets	50 ml	HC2	V
ESR Tubes and Stand	Each	HC2	V
1.1.1 Sickle cell supplies			
Sodium metabisulphite	500 g	HC3	V
1.1.2 Beckman Coulter AcT 3&5 diff			
Haematology, Beckman Coulter, AcT5 diff, Calibrator, 2 x 2 ml	4 ml	H	V
Haematology, Beckman Coulter, AcT 5diff, Control Plus, H, N, L, 6 x 2.3 ml	13.8 ml	H	V
Haematology, Beckman Coulter, AcT 5diff, Diluent	20 L	H	V
Haematology, Beckman Coulter, AcT 5diff, Fix	1 L	H	V
Haematology, Beckman Coulter, AcT 5diff, Rinse	1 L	H	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Haematology, Beckman Coulter, AcT 5diff, WBC Lyse	1 L	H	V
Haematology, Beckman Coulter, AcT Rinse Shutdown Diluent, EEC	500 ml	H	V
Haematology, Beckman Coulter, AcT diff Pack, Reagent Kit, 15 L + 300 ml	300 ml	H	V
Haematology, Beckman Coulter, AcT5 diff, Hgb Lyse	400 ml	H	V
1.1.3 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	RR	V
Haematology, HumaCount, Lyse Reagent for Eosinophils	1 L	RR	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	RR	V

ITEM DESCRIPTION	UNIT	L	C
1.1.4 Sysmex 3&5 Diff (Sysmex XN 450, XS1000i, XN1000)			
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
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

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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	5 L	HC4	V
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
1.1.5 Nihon Kodan Coulter 3&5 Diff			
Haematology, Coulter, Isotonac 3 Diluent	20 L	HC3	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Haematology, Coulter, Haemolynac 3N	1 ml	HC3	V
Haematology, Coulter, Haemolynac 5N	1 ml	HC4	V
Haematology, Coulter, Cleanac (Normal)	5 ml	HC3	V
Haematology, Coulter, Cleanac 3 (Strong)	5 ml	HC3	V
Haematology, Control, H, N, L (5ND)	2 ml	HC4	V
Haematology, Control, H, N, L (3DL)	2 ml	HC3	V
1.1.6 MINDRAY BC5600, BC 6800			
Haematology, Mindray-58/56 cleanser	4 L	H	V
Haematology, Mindray-58/56 LEO (II) lyse reagent	2 L	H	V
Haematology, Mindray-58/56 LH lyse reagent	2 L	H	V
Haematology, Mindray-58/56 LEO (I) lyse reagent	4 L	H	V
Haematology, Mindray-58/56 LBA lyse reagent	4 L	H	V
Haematology, Mindray-58/56 D diluent	20 L	H	V
Haematology, Mindray-68 DS diluent	20 L	H	N
Haematology, Mindray-68 LB lyse	1 L	H	N
Haematology, Mindray-68 LH lyse	1 L	H	N
Haematology, Mindray-68 LD Lyse	1 L	H	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Haematology, Mindray-68 FD Dye	12 ml	H	N
Haematology, Mindray-68 DR Diluent	1 L	H	N
Haematology, Mindray-68 FR Dye	12 ml	H	N
Haematology, Mindray-68 LN Lyse	1 L	H	N
Haematology, Mindray-68 FN Dye	12 ml	H	N
Haematology, Mindray-68 Cleanser	50 ml	H	N
Haematology, Mindray-68 Controls 6D (6 x 4.5 ml)	27 ml	H	N
Haematology, Mindray-68 Controls 6Ret (6 x 4.5 ml)	27 ml	H	N

1.2 Coagulation and plasmin inhibitor supplies**1.2.1 Sysmex CA 600**

Haematology, Sysmex CA- Actin FS	4 ml	H	N
Haematology, Sysmex CA- Dade Inovance	15 ml	H	N
Haematology, Sysmex CA- Calcium chloride solution	15 ml	H	N
Haematology, Sysmex CA- Clean I	50 ml	H	N
Haematology, Sysmex CA- Clean II	500 ml	H	N
Haematology, Sysmex CA- IOV buffer	15 ml	H	N
Haematology, Sysmex CA- Citrol 1	1 ml	H	N
Haematology, Sysmex CA- Citrol 2	1 ml	H	N
Haematology, Sysmex CA- TT reagent	5 ml	RR	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Haematology, Sysmex CA- FIB reagent	1 ml	RR	V
Haematology, Sysmex CA- P.T Multit-Calibrator	1 ml	H	N
Haematology, Sysmex CA- Normal control	1 ml	H	N
Haematology, Sysmex CA- Reaction tubes	Piece	H	N
Haematology, Sysmex CA-Sample cups	Piece	H	N
1.2.2 ACL Ellite			
Haematology, ACL-Ellite – Proclot - Coagulation Protein C	Test	H	N
Haematology, ACL-Ellite – Proclot Diluent	100 ml	H	N
Haematology, ACL-Ellite - Pt- Fibrinogen Hs Plus H.V	45 ml	H	N
Haematology, ACL-Ellite – Sample Diluent	10 ml	H	N
Haematology, ACL-Ellite – Reference Emulsion	200 ml	H	N
Haematology, ACL-Ellite – Factor Diluent	10 ml	H	N
Haematology, ACL-Ellite -Thrombin Time Kit	Test	H	N
Haematology, ACL-Ellite – Hepatocomplex	Test	H	N
Haematology, ACL-Ellite – Cleaning Solution	500 ml	H	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Haematology, ACL-Ellite – Cleaning Agent	80 ml	H	N
Haematology, ACL-Ellite – Emulsion Wash-R Acl	1 L	H	N
Haematology, ACL-Ellite – Von Willebrand Kit Ag	12 ml	H	N
Haematology, ACL-Ellite – Protein S	Test	H	N
Haematology, ACL-Ellite – Pt Rgt Recomboplastin	45 ml	H	N
Haematology, ACL-Ellite – Pt Rgt Recomboplastin	105 ml	H	N
Haematology, ACL-Ellite – Von Willebrand Activity	9 ml	H	N
Haematology, ACL-Ellite - APPT – SP	45 ml	H	N
Haematology, ACL-Ellite – D-Dimer	Test	H	N
Haematology, ACL-Ellite – Antithrombin	Test	H	N
Haematology, ACL-Ellite – Plasminogen	9 ml	H	N
Haematology, ACL-Ellite – Plasmin Inhibitor	9 ml	H	N
Haematology, ACL-Ellite - Def.Plasma Factor XII	10 ml	H	N
Haematology, ACL-Ellite - Def.Plasma Factor XI	10 ml	H	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Haematology, ACL-Ellite - Def.Plasma Factor V	10 ml	H	N
Haematology, ACL-Ellite - Def.Plasma Factor VII	10 ml	H	N
Haematology, ACL-Ellite - Def.Plasma Factor VIII	10 ml	H	N
Haematology, ACL-Ellite - Def.Plasma Factor IX	10 ml	H	N
Haematology, ACL-Ellite - Def.Plasma Factor II	10 ml	H	N
Haematology, ACL-Ellite - Def.Factor VIII (Chromogenic)	Test	H	N
Haematology, ACL-Ellite – Protein C	Test	H	N
Haematology, ACL-Ellite - Fib-C	20 ml	H	N
Haematology, ACL-Ellite – DRVVT Screen	20 ml	H	N
Haematology, ACL-Ellite – DRVVT Confirm	20 ml	H	N
Haematology, ACL-Ellite – Factor VIII ABN. Control	10 ml	H	N
Haematology, ACL-Ellite – Normal Control Plasma	10 ml	H	N
Haematology, ACL-Ellite - ABN. Control Plasma Low	10 ml	H	N
Haematology, ACL-Ellite - ABN. Control Plasma High	10 ml	H	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Haematology, ACL-Ellite - Calibration Plasma	10 ml	H	N
Haematology, ACL-Ellite – Low Fibrinogen Control	10 ml	H	N
Haematology, ACL-Ellite – D-dimer Control 2 Level	10 ml	H	N
Haematology, ACL-Ellite – Special Control Test 1	10 ml	H	N
Haematology, ACL-Ellite – Special Control Test 2	10 ml	H	N
Haematology, ACL-Ellite – La Positive Control	10 ml	H	N
Haematology, ACL-Ellite – La Negative Control	10 ml	H	N
Haematology, ACL-Ellite – Clear Sample Cup 0.5 ml	1 L	H	N
Haematology, ACL-Ellite – Rotors (20 Pos)	Piece	H	N
Haematology, ACL-Ellite – Magnetic Stirrer	Piece	H	N
1.2.3 Satellite Stago			
Haematology, Satellite Stago – STA Micro-container	Piece	H	N
Haematology, Satellite Stago - Micro-cups	Piece	H	N
Haematology, Satellite Stago - Max Reducer	Piece	H	N
Haematology, Satellite Stago - Mini Reducer	Piece	H	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Haematology, Satellite Stago - White stirring magnet	Piece	H	N
Haematology, Satellite Stago - STA Satellite Cuvettes	Piece	H	N
Haematology, Satellite Stago – STA Neoplastin Cl +5	30 ml	H	N
Haematology, Satellite Stago - STA PTT Automate 5	60 ml	H	N
Haematology, Satellite Stago - STA CaCl 2 0.025 ml	360 ml	H	N
Haematology, Satellite Stago - STA Owren Koller	360 ml	H	N
Haematology, Satellite Stago - STA Coag Control N+P	24 ml	H	N
Haematology, Satellite Stago - Star Cleaner Solution	15 L	H	N
Haematology, Satellite Stago - STA Desorb U	360 ml	H	N
1.2.4 Minicap electrophoresis			
Haematology, Minicap – Haemoglobin	1.5 L	H	N
Haematology, Minicap – Serum protein	1.5 L	H	N
Haematology, Minicap – Urine protein	1.5 L	H	N
Haematology, Minicap – HbA1C	150 ml	H	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Haematology, Minicap - Carbohydrate deficient transferrin (CDT) for Alcohol abuse)	200 ml	H	N
Haematology, Minicap - Haemoglobin controls	10 ml	H	N
Haematology, Minicap – Protein Controls	10 ml	H	N
Haematology, Minicap – HbA 1C controls	10 ml	H	N
Haematology, Minicap – CDT controls	10 ml	H	N

2. SEROLOGY**2.1 Rapid testing**

HIV 1/2, Determine Complete HIV Kit, 100 Test	Test	HC2	V
HIV 1/2, Bioline 3.0 Kit, Complete 25 Test	Test	HC2	V
HIV 1/2, Stat-Pak Dipstick Assay Kit, 30 Test	Test	HC2	V
HIV 1/2, Uni-Gold HIV Kit, 20 Test	Test	HC2	V
Syphilis, RPR Kit, 50 Test	Test	HC2	V
Malaria Antigen P.f/Pan Kit, 25 Test	Test	HC2	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

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Brucella abortus Ag	5 ml	HC3	V
HCG pregnancy test strips	Test	HC2	N
Anti Streptolysin O-Test (ASOT)	Test	HC4	E
Toxoplasma IgG and IgM	Test	HC4	E
CMV IgG/IgM	Test	HC4	E
2.2 Cytometry			
2.2.1 BD Fasc Calibur			
Flow Cytometry, BD FACS, Clean Solution	5 L	H	V
Flow Cytometry, BD FACS, FACSFlow 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
2.2.2 BD Presto			
Flow Cytometry, BD Presto Cartridges, 100 Test	Test	HC3	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
2.2.3 BD Fasc Count			
Flow Cytometry, BD FACSCount Reagent Kit, Double Tube, IVD, 50 Test	5 L	HC4	E
Flow Cytometry, BD FACSCount, CD4/CD3 Reagent Kit, Single Tube, 50 Test	2.5 ml	HC4	E
Flow Cytometry, BD FACSCount, Cleaning Stylus, Each	5 L	HC4	E
Flow Cytometry, BD FACSCount, Control Kit, 25 Test	Test	HC4	E
Flow Cytometry, FACSCount, Thermal Paper, 5 Rolls	Rolls	HC4	E
2.2.4 Partec CyFlow			
Flow Cytometry, CyFlow, CD4% Easy Count Kit - dry, 100 Test	2.5 ml	HC3	V
Flow Cytometry, CyFlow, Cleaning Solution	250 ml	HC3	V
Flow Cytometry, CyFlow, CountCheck Beads, Green - dry, 50 Test	Test	HC3	V
Flow Cytometry, CyFlow, Decontamination Solution	250 ml	HC3	V
Flow Cytometry, CyFlow, Sample Tubes, 3.5 ml, 500 PC	Piece	HC3	V
Flow Cytometry, CyFlow, Sheath Fluid, 5 L	5 L	HC3	V
Flow Cytometry, CyFlow, Sodium Hypochlorite Solution, 0.5%, 250 ml	250 ml	HC3	V

ITEM DESCRIPTION	UNIT	L	C
Flow Cytometry, CyFlow, Thermal Paper, 5 Rolls	Rolls	HC3	V
2.2.5 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
3. BIOCHEMISTRY			
3.1 Urine biochemistry			
Glucometer, Test Strips, 50 pieces	Test	HC3	V
Test Strips, Urinalysis Strips, 10 Parameters	Test	HC2	E
Test Strips, Urinalysis Strips, 3 Parameters	Test	HC2	V
3.2 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
Biochemistry, Cobas c111, AST (Aspartate aminotransferase)	Test	HC4	V
Biochemistry, Cobas c111,	100 ml	HC4	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Bilirubin direct Cobas c111			
Biochemistry, Cobas c111, Bilirubin total Gen.3 UN3316	36 ml	HC4	V
Biochemistry, Cobas c/Integra ALP IFCC gen.2	Test	HC4	N
Biochemistry, Cobas c/Integra ALT	Test	HC4	N
Biochemistry, Cobas c/Integra amylase ver.2	Test	HC4	N
Biochemistry, Cobas c/Integra AST	Test	HC4	N
Biochemistry, Cobas c/Integra Bilirubin Direct Gen.2	Test	HC4	V
Biochemistry, Cobas c/Integra bilirubin total Gen.3 UN3316	Test	HC4	V
Biochemistry, Cobas c/Integra Albumin BCG (ALB2) 4 x 100 Test	Test	H	V
Biochemistry, Cobas c/Integra Y- Glutamyltransferase Ver2, GGT-2, 200 Test	Test	H	V
Biochemistry, Cobas c/Integra Glucose HK Gen.3	Test	HC4	V
Biochemistry, Cobas c/Integra Total Protein Gen.2 UN1824	Test	HC4	N
Biochemistry, Cobas c111, Total Protein Gen.2 Cobas c111 UN1824	Test	HC4	V
Biochemistry, Cobas c111, Glucose HK Cobas c111	Test	H	V
Biochemistry, Cobas c/Integra Creatinine Jaffre gen.2 UN1814	Test	HC4	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Cobas c111, Creatinine Jaffre Gen.2 Cobas c111 UN1814	700 ml	HC4	V
Biochemistry, Cobas c/Integra Urea/BUN	test	HC4	V
Biochemistry, Cobas c/Integra Uric acid ver.2	Test	H	V
Biochemistry, Cobas c111, Urea/BUN (blood urea nitrogen) Cobas c111	500 ml	H	V
Biochemistry, Cobas c/Integra LDL Cholesterol gen2	Test	H	E
Biochemistry, Cobas c/Integra Cholesterol Gen.2	Test	H	V
Biochemistry, Cobas c/Integra, HDL Cholesterol	Test	H	E
Biochemistry, Cobas c/Integra Triglycerides	Test	H	V
Biochemistry, Cobas c/Integra, ISE chloride (Cl) electrode Cobas c311	Each	HC4	N
Biochemistry, Cobas c/Integra, ISE potassium (K) electrode Cobas c311	Each	HC4	N
Biochemistry, Cobas c/Integra, ISE sodium (Na) electrode Cobas c311	Each	HC4	N
Biochemistry, Cobas c/Integra, ISE reference electrode Cobas c311	Each	HC4	N
Biochemistry, Cobas c111 ISE potassium (K) electrode Cobas c111	Each	HC4	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Cobas c111, ISE chloride (Cl) electrode Cobas c111	Each	HC4	V
Biochemistry, Cobas c111, ISE sodium (Na) electrode Cobas c111	Each	HC4	V
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	N
Biochemistry, Cobas c ISE standard low	Each	HC4	N
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
Biochemistry, Cobas c111, ISE etcher	Each	HC4	V
Biochemistry, Cobas c311/501 internal standard insert, ISE	22 ml	HC4	N
Biochemistry, Cobas c311/501 ISE diluent Gen.2	3.6 L	HC4	V
Biochemistry, Cobas c/integra/e411 -Magnesium Reagent	Test	RR	V
Biochemistry, Cobas c/integra/e411 -Lithium Reagent	Test	RR	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Cobas c/integra/e411 – Calcium Reagents 300 Test	Test	RR	V
Biochemistry, Cobas c/Integra, Lactate Dehydrogenase Reagent	Test	HC4	N
Biochemistry, Cobas c/Integra Creatine Kinase	Test	HC4	N
Biochemistry, Cobas c/Integra Creatine Kinase MB	Test	HC4	N
Biochemistry, Cobas c/c-Reactive Protein Kit	300 ml	HC4	N
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 Reagent	Test	NR	V
Biochemistry, Cobas c/integra/H/e411, Procollagen Type 1 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	HC3	N
Biochemistry, Cobas c/integra/e411 - Spec- Chem-Ca19-9 Ag Reagent	Test	NR	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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) Reagent	Test	H	N
Biochemistry, Cobas c/integra/e411 -Free Prostatic Surface Antigen Reagent	Test	H	N
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	H	E
Biochemistry, Cobas c/integra/e411 FT4 II 200 test	Test	H	E
Biochemistry, Cobas c/integra/e411, Free Tri-Iodo- Thyronine Reagent	Test	H	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Cobas c/integra/e411, Total Tri-Iodo Thyronine Reagent	Test	H	N
Biochemistry, Cobas c/integra/e411, Anti Thyroid Peroxidase Reagent	Test	H	N
Biochemistry, Cobas c/integra/e411 TSH 200 test	Test	H	E
Biochemistry, Cobas c/integra/e411 -Parathyroid Hormone Reagent	Test	H	N
Biochemistry, Cobas c/integra/e411 Cortisol 100 test	Test	H	N
Biochemistry, Cobas c/integra/e411 Estradiol II 100 test	Test	H	N
Biochemistry, Cobas c/integra/e411 Ferritin 100 test	Test	H	N
Biochemistry, Cobas c/integra/e411 FSH 100 test	Test	H	E
Biochemistry, Cobas c/integra/e411 LH 100 test	Test	H	E
Biochemistry, Cobas c/integra/e411 Progesterone II 100 test	Test	H	E
Biochemistry, Cobas c/integra/e411 Prolactin II 100 test	Test	H	N
Biochemistry, Cobasc/integra/e411 Testosterone II 100 test	Test	H	E
Biochemistry, Cobas c/integra/e411, Pregnancy Associated Plasma Protein Reagent	Test	H	E

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Cobas c/integra/e411s -Adreno Cortico Hormone Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411s -Adreno Cortico Trophic Hormone	Test	NR	V
Biochemistry, Cobas c/integra/e411, Cyclic Citrullinated Peptide Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411, Cytokeratin-21-1 Fragment Reagent	Test	NR	V
Biochemistry, Cobas c/integra/e411 -Toxoplasma Immunoglobulin M reagents	Test	H	N
Biochemistry, Cobas c/integra/e411 -Toxoplasma Immunoglobulin G Reagents	Test	H	N
Biochemistry, Cobas c/integra/e411, Rubella Immunoglobulin G Reagent	Test	H	N
Biochemistry, Cobas c/integra/e411, Rubella Immunoglobulin M Reagent	Test	H	N
Biochemistry, Cobas c/integra/e411, Cytomegally Virus Immunoglobulin G Reagent	Test	H	N
Biochemistry, Cobas c/integra/e411, Cytomegally Virus Immunoglobulin M Reagent	Test	H	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Cobas c/integra/e411, Hepatitis B Envelope Antigen Reagent	Test	H	E
Biochemistry, Cobas c/integra/e411, Hepatitis B Virus Immunoglobulin M 100 Test	Test	H	N
Biochemistry, Cobas c/integra/e411 -Hepatitis B Virus Core Immunoglobulin G	Test	H	E
Biochemistry, Cobas c/integra/e411 -Bicarbonate Reagent (Ammonia)	Test	H	N
Biochemistry, Cobas c/integra/e411 -Inorganic Phosphate Reagent	Test	H	N
Biochemistry, Cobas c/Integra Lactate	Test	HC4	N
Biochemistry, Cobas c/ Integra Lipase	Test	HC4	N
Biochemistry, Cobas c/integra/e411 -Ferritin Reagent	Test	H	E
Biochemistry, Cobas c/integra/e411- Iron Reagent	Test	H	E
Biochemistry, Cobas c/integra/e411-Hyper Glycated Haemoglobin Reagent	Test	H	N
Biochemistry, Cobas c/integra/e411 CF HBA1C100 test	Test	HC4	N
Biochemistry, Cobas c/integra/e411 Vitamin B12 100 test UN1824	Test	H	E

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Cobas c/integra/e411 Folate III 100tst UN1824	Test	H	E
Biochemistry, Cobas c/integra/e411, Interleukin 6	Test	H	N
Biochemistry, Cobas c/Integra, Calibrator for automated systems (Cfas)	24 ml	HC4	N
Biochemistry, Cobas c/Integra, preci control ClinChem multi 1	20 ml	HC4	N
Biochemistry, Cobas c/Integra, preci control ClinChem multi 2	20 ml	HC4	N
Biochemistry, Cobas -Preci control varia (Normal & High)	4 ml	HC4	N
Biochemistry, Cobas -Ammonia (Bicarbonate) control (Normal & High)	4 ml	HC4	N
Biochemistry, Cobas -Preci Control Universal (Normal & High)	4 ml	HC4	N
Biochemistry, Cobas -Toxo IgM, Hep B Core IgM, Toxo IgG, HepBsAg Calset Calibrators	2 ml	HC4	N
Biochemistry, Cobas -CFAS Calibrator	12 ml	HC4	N
Biochemistry, Cobas c Cfas lipids, 3 x 1 ml	2 ml	HC4	N
Biochemistry, Cobas -CF HBA1C	3 ml	HC4	N
Biochemistry, Cobas c Cfas CK-MB, 3 x 1 ml	3 ml	HC4	N
Biochemistry, Cobas c Cfas	2 ml	HC4	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
proteins, 5 x 1 ml			
Biochemistry, Cobas -Ammonia (Bicarbonate) Calibrator	2 ml	H	E
Biochemistry, Cobas -Total Thyroxine Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -Free Thyroxine Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -Tri-iodo Thyroxine Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -Follicle Stimulating Hormone Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -Luteinizing Hormone Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -Thyroid Stimulating Hormone Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -Prolactin Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -Alpha Feto Protein Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -Estradiol Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -Progesterone Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -Human Chorionic Gonadotropic Calset Calibrator	2 ml	H	E

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Cobas -Testosterone Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -Carcino Embryonic Antigen Calset Calibrator	2 ml	H	N
Biochemistry, Cobas -Carcinoma Antigen 125 Calset Calibrator	2 ml	H	N
Biochemistry, Cobas -Troponin Calset Calibrator	2 ml	H	N
Biochemistry, Cobas -Total Prostatic Specific Antigen Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -Parathyroid Hormone Calset Calibrator	2 ml	H	N
Biochemistry, Cobas -Adreno-Cortico Hormone Calset Calibrator	2 ml	H	N
Biochemistry, Cobas -Cortisol Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -Free Prostatic Specific Antigen Calset Calibrator	2 ml	H	E
Biochemistry, Cobas -C reactive protein Calibrator	2 ml	H	E
Biochemistry, Cobas -CFAS CKMB Calibrator	2 ml	H	E
Biochemistry, Cobas -Preci Control Tumour makers	2 ml	H	E
Biochemistry, Cobas -Preci Control Cardiac	Each	H	N
Biochemistry, Cobas -Preci control Infectious disease	Each	H	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Cobas c/Integra activator	108 ml	H	E
Biochemistry, Cobas c/Integra, Lamp halogen 12V/50W for Cobas c311	Kit	H	E
Biochemistry, Cobas c/Integra, sample cups, 2 ml	Piece	H	E
Biochemistry, Cobas c cell wash solution I / NaOH-D UN1824	Kit	H	E
Biochemistry, Cobas c cell wash solution II / Acid Wash	Kit	HC4	N
Biochemistry, Cobas c111, Cleaner UN1824	30 ml	HC4	N
Biochemistry, Cobas c111, Diluent NaCl 9% 6*23 ml	39.2 ml	HC4	N
Biochemistry, Cobas c111, Lamp halogen 12V/20W for Cobas c111	Piece	HC4	N
Biochemistry, Cobas c111, Micro cuvette segment 1680PC	Piece	HC4	N
Biochemistry, Cobas c111, Probe, set of 2 pieces	Piece	HC4	N
Biochemistry, Cobas c111, Reagent disc, 27 slots	Piece	HC4	N
Biochemistry, Cobas c111, Thermal printer paper	Piece	HC4	N
Biochemistry, Cobas c311 reaction cell set	48 ml	H	E
Biochemistry, Cobas c311/501 detergent NaOH-D UN1824	230 ml	HC4	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Cobas c311/501 sample cleaner 1 UN1824	100 ml	HC4	N
Biochemistry, Cobas c311/501 wash reagent SMS UN1789	Kit	HC4	N
Biochemistry, Cobas c/Integra, cleaner UN1789	Kit	H	E
Biochemistry, Cobas c311/501/502 diluent NaCl 9%	Kit	HC4	N
Biochemistry, Cobas/Elecsys cleaning solution (SysClean) UN1824	Kit	HC4	N
Biochemistry, Cobas c/integra/e411 system solution (ProCell)	50 ml	HC4	N
Biochemistry, Cobas c/integra/e411 SysWash	3 L	HC4	N
Biochemistry, Cobas c/Integra, c311 Ecotergent	Test	H	E
3.3 Blood Gas Analyser			
Biochemistry, Paper, Thermal, Printer Roll Opticca -Ts2	Rolls	H	N
Biochemistry, Capillary Tubes, Glass Heparinised 200 µl 250 Per Box	Piece	H	N
Biochemistry, Control S, Cvc 123, Linearity,4 Amp/5levels, Opticca, Opticca-Ts, Opti R, Opti Lion, Optic Ca-Ts2	2 ml	H	N
Controls, Opti-Check, Ph/Bg/Elec/Glu, Tri-Level, 10	2 ml	H	N

ITEM DESCRIPTION	UNIT	L	C
amp/Level, Opticca, Opticca-Ts, Opti Cca-Ts2			
Biochemistry, Controls, Opti-Check Plus, Ph/Bg/Elec/Glu, Tri-Level, 10 amp/Level, Opticca, Opticca-Ts, Opti Cca-Ts2	2 ml	H	N
Biochemistry, Cassette, Calibration, Opti Cca-Ts2	2 ml	H	N
Biochemistry, Cassette, Standard Reference (Src) –Multi-Level, Opticca-Ts2	Piece	H	N
Biochemistry, Cassette, E-Cl, 25 Per Box, Opti R Bp 7162 Bottle, Gas, Low Pressure, Opti Cca-T	Test	H	N
Biochemistry, Comfort Sampler, Bulk Pack With Needle & Protector, 240 µl, 300 Per Box	Piece	H	N
Biochemistry, Pump	Piece	H	N
3.4 Electrophoresis Machine Pretty			
Biochemistry, Serum Protein Electrophoresis Kit 6 Samples Per Gel 60 Test	Test	H	N
Biochemistry, Agarose Gel Plate 10 Per Kit	Kit	H	N
Biochemistry, Buffered Sponges 2 Pieces Per Pack	Piece	H	N
Biochemistry, Acid Blue bottle	500 ml	H	N
Biochemistry, Disposable Sample Plates 10 Pieces Per Pack	Piece	H	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Blotters A 10 X 10 Size 10 Pieces Per Pack	Piece	H	N
Biochemistry, Destain Solution 6 x 100 ml Per Pack	600 ml	H	N
Biochemistry, Normal Serum Control 6 vials Per Pack	Vial	H	N
Biochemistry, Abnormal Serum Control 3 Vials Per Pack	Vial	H	N
Biochemistry, Stain Bottle Per Pack Filters 30 Pieces	Piece	H	N
Biochemistry, Alkaline Hb- Electrophoresis Kit 6 Test Per Gel	Test	H	N
Biochemistry, haemoglobin Control Afsa 2 0.5 ml Per Vial	20.5 ml	H	N
Biochemistry, haemoglobin Control Solution Afsc 0.5 ml Per Vial	0.5 ml	H	N

3.5 Humastar 80/100/200 /600 & Humulyte 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	H	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Human, Total Protein Liquicolor, 4 x 100 ml	400 ml	HC4	V
Biochemistry, Human, Albumin Liquicolor, 4 x 100 ml	400 ml	H	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	H	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Human, LDL Cholesterol Liquicolor Colorimetric Test, Complete Kit, 200 ml	200 ml	H	V
Biochemistry, Human, Cholesterol Liquicolor, Complete Kit, 4 x 100 ml	400 ml	H	V
Biochemistry, Human, Triglycerides Liquicolor Mono, Complete Kit, 4 x 100 ml	400 ml	H	V
Biochemistry, Human, CK NAC activated liquiUV, 10 x 10 ml	100 ml	HC4	N
Biochemistry, Human, Creatinine Kinase-MB, Complete Kit, 20 x 3 ml	60 ml	HC4	N
Biochemistry, Human, Iron Liquicolor, 2 x 30 ml	60 ml	HC4	N
Biochemistry, Human, Lactate	Test	HC4	N
Biochemistry, Human, Lipase	Test	HC4	N
Biochemistry, Human, Ferritin Reagent	Test	HC4	N
Biochemistry, Human HbA1C 100 test	Test	HC4	N
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

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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	HC4	N
Biochemistry, Human, Magnesium Liquicolor, 4*60	Test	HC4	N
Biochemistry, Human, Phosphorus Liquirapid, 4*60	Test	HC4	N
Biochemistry, Human, Control Sera, Autocal Kit, 4 x 5 ml	20 ml	HC4	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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 1, 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	HC4	V
Biochemistry, Human, CK-MB Calibrator 2 x 1 ml	2 ml	HC4	V
Biochemistry, Humalyzer 2000 Cuvettes, 1000 Pc	Piece	HC4	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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	H	V
Biochemistry, Human, Humalyte, Weekly Cleaning Solution, 100 ml	100 ml	H	V
Biochemistry, Human, Humalyte, Reagent Pack, 1000 ml	1 L	H	V
Biochemistry, Human, Humalyte Solution Reagent Pack Complete	Each	H	V
Biochemistry, Human, Humastar 600 Diluent	20 L	H	V
Biochemistry, Human, Humastar 600 Reactive cuvettes	Piece	H	V
Biochemistry, Human, Humastar 600 Tip cleaning kit H 600	Piece	H	V
Biochemistry, Human, Humalyte Plus 3 Thermal printer paper	Rolls	H	V
Biochemistry, Human, Humastar 600 Wash additive	1 L	H	V
3.6 Mindray BS480			
Biochemistry, Mindray BS-480, Aspartate Aminotransferase Kit	Test	HC4	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Mindray BS-480, Albumin Kit	Test	HC3	N
Biochemistry, Mindray BS-480, Alkaline Phosphatase Kit	Test	HC4	V
Biochemistry, Mindray BS-480, Alanine Aminotransferase Kit	Test	HC4	V
Biochemistry, Mindray BS-480, Bilirubin Direct Kit	Test	HC3	N
Biochemistry, Mindray BS-480, Bilirubin Total Kit	Test	HC3	N
Biochemistry, Mindray BS-480, α - Amylase Kit	Test	H	V
Biochemistry, Mindray BS-480, Gamma–Glutamyltransferase Kit	Test	H	V
Biochemistry, Mindray BS-480, Glucose Kit	Test	HC2	N
Biochemistry, Mindray BS-480, Prealbumin Kit	Test	HC4	E
Biochemistry, Mindray BS-480, Total Bile Acids Kit	Test	HC4	E
Biochemistry, Mindray BS-480, Total Protein Kit	Test	HC4	V
Biochemistry, Mindray BS-480, Microalbumin*(C)	Test	HC4	N
Biochemistry, Mindray BS-480, Creatinine Kit	Test	HC4	V
Biochemistry, Mindray BS-480, Uric Acid Kit	Test	HC4	E

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Mindray BS-480, Urea Kit	Test	HC4	V
Biochemistry, Mindray BS-480, Cystatine – C	Test	NR	V
Biochemistry, Mindray BS-480, Total Cholesterol Kit	Test	H	V
Biochemistry, Mindray BS-480, Triglycerides Kit	Test	H	V
Biochemistry, Mindray BS-480, HDL-Cholesterol Kit	Test	H	E
Biochemistry, Mindray BS-480, LDL-Cholesterol Kit	Test	H	E
Biochemistry, Mindray BS-480, Lipoprotein (A) Kit	Test	H	E
Biochemistry, Mindray BS-480, Complement C3 Kit	Test	H	N
Biochemistry, Mindray BS-480, Complement C4 Kit	Test	H	N
Biochemistry, Mindray BS-480, Apolipoprotein A1 Kit	Test	H	N
Biochemistry, Mindray BS-480, Apolipoprotein B Kit	Test	H	N
Biochemistry, Mindray BS-480, Creatine Kinase Kit	Test	H	E
Biochemistry, Mindray BS-480, Creatine Kinase-MB Kit	Test	H	E
Biochemistry, Mindray BS-480, Lactate Dehydrogenase Kit	Test	H	E

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Mindray BS-480, C-Reactive Protein Kit	Test	H	E
Biochemistry, Mindray BS-480, Myoglobine (C)	Test	H	N
Biochemistry, Mindray BS-480, High Sensitivity CRP (C And Q)	Test	H	N
Biochemistry, Mindray BS-480, Antistreptolysin O (C And Q)	Test	H	N
Biochemistry, Mindray BS-480, Immunoglobulin E (C)	Test	H	N
Biochemistry, Mindray BS-480, Immunoglobulin A Kit	Test	H	N
Biochemistry, Mindray BS-480, Immunoglobulin G Kit	Test	H	N
Biochemistry, Mindray BS-480, Immunoglobulin M Kit	Test	H	N
Biochemistry, Mindray BS-480, β -Microglobuline	Test	H	N
Biochemistry, Mindray BS-480, Haemoglobin A1c (C And Q)	Test	H	E
Biochemistry, Mindray BS-480, Homocysteine (C And Q)	Test	NR	V
Biochemistry, Mindray BS-480, Lipase (C And Q)	Test	H	E
Biochemistry, Mindray BS-480, Iron (C And Q)	Test	RR	V
Biochemistry, Mindray BS-480, Transferrin (C)	Test	H	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Mindray BS-480, Ferritin (C)	Test	H	E
Biochemistry, Mindray BS-480, α --Hydroxybutyrate Dehydrogenase Kit	Test	H	N
Biochemistry, Mindray BS-480, Calcium Kit	Test	H	N
Biochemistry, Mindray BS-480, Magnesium Kit	Test	RR	V
Biochemistry, Mindray BS-480, Phosphorus Kit	Test	RR	E
Biochemistry, Mindray BS-480, Bicarbonates (C And Q)	Test	RR	E
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

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Mindray BS-480, Rheumatoid Factor (C And Q)	Test	RR	V
Biochemistry, Mindray BS-480, Unsaturated Iron Binding Capacity (C)	Test	NR	V
Biochemistry, Mindray BS-480, α -L-Fucosidase	Test	NR	V
Biochemistry, Mindray BS-480, Multi Control Sera P	50 ml	RR	E
Biochemistry, Mindray BS-480, Multi Control Sera N	50 ml	RR	E
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	RR	E
Biochemistry, Mindray BS-480, Ck-MB Control N	12 ml	RR	E
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

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Mindray BS-480, RBP Control	6 ml	NR	V
Biochemistry, Mindray BS-480, UIBC Control	1 ml	NR	V
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, β2-HB Control	2 ml	NR	V
Biochemistry, Mindray BS-480, CYSC Control (L&H)	10 ml	NR	V
Biochemistry, Mindray BS-480, β2-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
3.7 Idvia Centaur CP			
Biochemistry, Idvia Centaur CP, FT4	Test	HC4	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Idvia Centaur CP,TSH	Test	HC4	N
Biochemistry, Idvia Centaur CP,FT3	Test	HC4	N
Biochemistry, Idvia Centaur CP, Total PSA	Test	HC4	N
Biochemistry, Idvia Centaur CP, Tripoint Liquiimmune Control Lev 1	30 ml	HC4	N
Biochemistry, Idvia Centaur CP, Tripoint Liquiimmune Control Lev 2	30 ml	HC4	N
Biochemistry, Idvia Centaur CP, Tripoint Liquiimmune Control Lev 2	30 ml	HC4	N
Biochemistry, Idvia Centaur CP, R1 & R2	Test	HC4	N
Biochemistry, Idvia Centaur CP, Cleaning Solution	Bottle	HC4	N
Biochemistry, Idvia Centaur CP, Sample Cuvettes	Piece	HC4	N
Biochemistry, Idvia Centaur CP, Sample cups	Piece	HC4	N
Biochemistry, Idvia Centaur CP, Wash-1 (2 x 1500 ml)	Test	HC4	N
Biochemistry, Idvia Centaur CP, Disposable Tips	Piece	HC4	N
Biochemistry, Idvia Centaur CP, Calibrator A (FT3,FT4,TT3,TT4, L&H	20 ml	HC4	N
Biochemistry, Idvia Centaur CP, Calibrator B	Piece	HC4	N
Biochemistry, Idvia Centaur CP, Calibrator Q	Piece	HC4	N

ITEM DESCRIPTION	UNIT	L	C
3.8 I-chroma			
Biochemistry, i-chroma D	Test	H	N
Biochemistry, i-Chroma TSH-25T	Test	H	N
Biochemistry, i-Chroma T3-25T	Test	H	N
Biochemistry, i-Chroma T4-25T	Test	H	N
Biochemistry, i-Chroma Troponin I-25T	Test	H	N
Biochemistry, i-Chroma hsCRP-25T	Test	H	N
Biochemistry, i-Chroma CRP-25T	Test	H	N
Biochemistry, i-Chroma D-Dimer-25T	Test	H	N
Biochemistry, i-Chroma RF IgM-25T	Test	H	N
Biochemistry, i-Chroma ASOT-25T	Test	H	N
Biochemistry, i-Chroma Pro BNP-25 T	Test	H	N
Biochemistry, i-Chroma BNP-25T	Test	H	N
Biochemistry, i-Chroma ASO-25T	Test	H	N
Biochemistry, i-Chroma PSA-25T	Test	H	N
Biochemistry, i-Chroma HbA1C-0.5 ml	Test	H	N
Biochemistry, i-Chroma HbA1C 25T	Test	H	N
Biochemistry, i-Chroma Universal control-1.0 ml	1 ml	H	N
Biochemistry, i-Chroma D-Dimer Control-0.5 ml	0.5 ml	H	N
Biochemistry, i-Chroma CRP Controls-0.5 ml	0.5 ml	H	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, i-Chroma BNP Controls -0.5 ml	0.5 ml	H	N
Biochemistry, i-Chroma RF Controls -0.5 ml	0.5 ml	H	N
Biochemistry, i-Chroma hsCRP Controls-0.5 ml	0.5 ml	H	N
Biochemistry, i-Chroma ASO-Controls-0.5 ml	0.5 ml	H	N
Biochemistry, i-Chroma Troponin I-controls-0.5 ml	0.5 ml	H	N
Biochemistry, i-Chroma Pro BNP Controls -0.5 ml	0.5 ml	H	N
Biochemistry, i-Chroma D-Dimer-0.5 ml	0.5 ml	H	N
3.9 Selectra analysers			
Biochemistry, Selectra, ALT/GPT 4+1 SL 2 x 62.5 ml	125 ml	HC4	E
Biochemistry, Selectra, AST /GOT4+1 SL 2 x 6.2 ml	125 ml	HC4	E
Biochemistry, Selectra, Albumin 2 x 125 ml	250 ml	HC4	E
Biochemistry, Selectra, ALP(DEA) S I2 x 62.5 ml	125 ml	HC4	E
Biochemistry, Selectra, Amylase S I6 x 50 ml	300 ml	H	V
Biochemistry, Selectra, Bilirubin T&D 4+1 x 125 ml	500 ml	HC4	E
Biochemistry, Selectra, Gamma-Gt Plus S I2 x 62.5 ml	125 ml	H	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Selectra, Glucose Pap SL 6 x 100 ml	600 ml	HC4	E
Biochemistry, Selectra, Total Protein Plus 2 x 125 ml	250 ml	HC4	E
Biochemistry, Selectra, Creatinine Jaffe 2 x 125 ml	250 ml	HC4	E
Biochemistry, Selectra, Urea UV SL 4 x 62.5 ml	250 ml	HC4	E
Biochemistry, Selectra, Uric Acid Mono SL 6 x 50 ml	300 ml	H	V
Biochemistry, Selectra, Trigly Mono SL New 6 x 50 ml	300 ml	H	V
Biochemistry, Selectra, Cholesterol HDL sl2g 1 x 80 ml	80 ml	H	V
Biochemistry, Selectra, Cholesterol SL 6 x 100 ml	600 ml	H	V
Biochemistry, Selectra, LDH-L SL 2 x 62.5 ml	125 ml	H	V
Biochemistry, Selectra, CK NAC S l2 x 62.5 ml	125 ml	HC4	N
Biochemistry, Selectra, CRP Reagent	100 ml	HC4	N
Biochemistry, Selectra, HbA1c 1 x 32 ml	32 ml	HC4	N
Biochemistry, Selectra, haemoglobin 1 x 50 ml	50 ml	HC4	N
Biochemistry, Selectra, Iron Ferrozine 2 x 125 ml	250 ml	H	E
Biochemistry, Selectra, Magnesium Calmagite 2 x 125 ml	250 ml	H	E

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Selectra, Phosphorus 2 x 125 ml	250 ml	H	E
Biochemistry, Selectra, Calcium Arsenazo 2 x 125 ml	250 ml	H	E
Biochemistry, Selectra, Iron Tibc 50 Test	Test	H	E
Biochemistry, Selectra, Lactate 10 X 10 ml	100 ml	H	E
Biochemistry, Selectra, Lipase SL 4 X 9.2 ml Vtl	36.8 ml	H	E
Biochemistry, Selectra, Micro Albumin IP 5 ml + 2 x 25 ml	55 ml	H	E
Biochemistry, Selectra, Orosomuroid IP 5 ml + 2 x 25 ml	55 ml	H	E
Biochemistry, Selectra, Prealbumin IP 5 ml + 2 x 25 ml	55 ml	H	E
Biochemistry, Selectra, Protein IP Cal Set 5 lev x 1 ml	5 ml	H	E
Biochemistry, Selectra, Microprotein Plus 12 x 20 ml Vtl	240 ml	H	E
Biochemistry, Selectra, Transferrin IP 5 ml + 5 x 25 ml	130 ml	H	E
Biochemistry, Selectra, IGA IP 5 ml + 2 x 25 ml	55 ml	H	E
Biochemistry, Selectra, IGG IP 5 ml + 2 x 25 ml	55 ml	H	E
Biochemistry, Selectra, IGM IP 5 ml + 2 x 25 ml	55 ml	H	V
Biochemistry, Selectra, ELICAL	24 ml	H	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
2-4 x 3 ml			
Biochemistry, Selectra, Haptoglobin IP 5 ml + 2 x 25 ml	55 ml	H	E
Biochemistry, Selectra, Acid Solution	1 ml	H	V
Biochemistry, Selectra, Cleaner 6 x 8 ml	48 ml	H	V
Biochemistry, Selectra, Conditioner 3 x 253 x 25	759 ml	H	V
Biochemistry, Selectra, ISE Diluent 12 x 25 ml	300 ml	H	V
Biochemistry, Selectra, ISE Reference Solution 1 x 500 ml	500 ml	H	V
Biochemistry, Selectra, EE System Cleaning Solution	1 ml	H	V
Biochemistry, Selectra, System Solution	1 ml	H	V
Biochemistry, Selectra, ISE Control I 10 x 5 ml	50 ml	H	V
Biochemistry, Selectra, ISE Control li 10 x 5 ml	50 ml	H	V
Biochemistry, Selectra, Elitrol I 10 x 5 ml	50 ml	H	V
Biochemistry, Selectra, Elitrol II 10 x 5 ml	50 ml	H	V
Biochemistry, Selectra, CK-Mb Control 4 x 3 ml	13 ml	H	E
Biochemistry, Selectra, Cholest. LDL2g Calibr. 4 x 1 ml	5 ml	H	E

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Biochemistry, Selectra, CRP IP Calibrator Set 5lev x 1 ml	5 ml	H	E
Biochemistry, Selectra, HbA1c Calibrator Set 4 x 0.5 ml	2 ml	H	E
Biochemistry, Selectra, HbA1c Controls L+H 4 x 0.5 ml	2 ml	H	E
Biochemistry, Selectra, ISE Calibrator (6 x 20 ml + 6 x 20 ml)	240 ml	H	E
Biochemistry, Selectra, ECS Empty Vial + Caps 10 x 10 ml	100 ml	H	V
Biochemistry, Selectra, ECS Empty Vials+Caps 30 x 25 ml	750ml	H	V
Biochemistry, Selectra, Cholest.HDL2g Calibr. 4 x 1 ml	4 ml	H	E

4. PARASITOLOGY**4.1 Peripheral blood film report- Reconstituted laboratory reagents**

Fields A Stain solution	1 L	HC3	V
Fields B Stain solution	1 L	HC3	V
Giemsa Stain	1 L	HC3	V
Leishman's Stain	1 L	HC3	E
2% Crystal Violet	1 L	HC3	V
Gram's Iodine Solution	1 L	HC3	V
50% Acetone Alcohol	1 L	HC3	V
0.1% Neutral Red	1 L	HC3	V
Lens Cleaning, Paper Tissues, 10 x 15cm (4 x 6 in), 50 Sheets	Piece	HC3	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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	V
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	V
Microscope Slide, 25 x 76 mm, Frosted, 100 PC	Piece	HC3	V
Couplin Jars	Each	NR	V
4.2 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

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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

4.3 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

4.4 Culture and sensitivity

Media, dehydrated powder	500 g		
Blood agar base		H	E
Media, Columbia Blood Agar Base	500 g	H	E

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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, saboraaud 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 Haemoglobin powder agar	500 g	H	E

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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
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
4.5 Antimicrobial sensitivity discs kits			
Amikacin 30 µg	Piece	H	E

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Optochin 5 µg	Piece	H	E
Oxacillin 1.0 µg	Piece	H	E
Penicillin G 10µg	Piece	H	E
Piperacillin	Piece	H	E
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
4.6 Identification biochemicals			
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

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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 Tubes 6 Boxes	Piece	H	E
Cation Adjusted Mueller-Hinton Broth (5 ml) 100 tubes	Piece	H	E
4.7 Typing sera			
Salmonella monovalent H gm	2 ml	H	E
Salmonella monovalent Hd	2 ml	H	E
Salmonella monovalent vi	2 ml	H	E
Salmonella monovalent 09	2 ml	H	E

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Salmonella polyvalent A-S	2 ml	H	E
Enteroinvasive Escherichia coli 0157	2 ml	H	E
Shigella dysenteriae monovalent type 1	2 ml	H	E
Shigella dysenteriae polyvalent 1-10	2 ml	H	E
Shigella sonnei Phase 1&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

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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
4.8 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
Chemical, Acid Ethanol,	1.25 L	HC3	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
3%, 5 x 250 ml			
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

5. IMMUNOLOGY/ MOLECULAR**5.1 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

ITEM DESCRIPTION	UNIT	L	C
Molecular, CAP-CTM Lab Consumable Bundle	Piece	NR	V
Molecular, DBS Sample collection Bandles (50) Test single use	Test	NR	V
5.2 Viral load testing			
5.2.1 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
5.2.2 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

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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
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

5.2.3 Abbot Machines

Molecular, Abbott Real Time HIV-1 Amplification Reagent Kit, 1 pack with 4 boxes x 24 Test	Test	NR	V
Molecular, Abbott RealTime HIV-1 Control Kit ,1 pack with 8 Neg, 8 Pos, and 8 low-controls	Test	NR	V
Molecular, Abbott RealTime HIV-1 Calibrator Kit	Piece	NR	V
Molecular, Abbott mSample Preparation System DNA, 1 box of 4 x 24 preps	Piece	NR	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
5.3 HIV testing			
5.3.1 SAMBA II			
HIV- 1 Test Kit, 12 Tests per kit (Complete kit)	Test	HC2	V
HIV- 1 Amplification Kit (Complete kit)	Test	HC2	V
5.3.2 AlereQ			
Alere™ q HIV-1/2 Detect (50 Cartridges)	Test	HC2	V
Finger Stick Sample Collection Kit (100)	Piece	HC2	V
Printer Paper I	Rolls	HC2	V
5.3.3 GeneXpert			
Xpert® HIV-1 Qual Cartridges	Test	HC2	V
Xpert HIV-1 Viral Load, Cartridges	Test	HC2	V
5.4 Hepatitis B testing			
5.4.1 Selexon Hepatitis B testing			
Selexon Hepatitis surface antigen (HBSAg) test kit	Test	HC2	N
Selexon Hepatitis B e antigen(HBeAg) test kit	Test	HC2	N
Selexon AFP antigen(AFP) test kit	Test	HC2	N
5.5 TB TESTING			
Xpert MTB/RIF kit of 50 Test	Test	HC3	E
GeneXpert Warranty extension 1 year - GXIV-4 (4 modules system)	Piece	HC3	E
Xpert Check kits (Calibration Kit)	Piece	HC3	E

ITEM DESCRIPTION	UNIT	L	C
Sample containers (sterile screw capped containers)	Piece	HC3	E
Alere Determine™ TB LAM Ag Test	Test	HC3	E
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	HC3	E
Ethanol 95% (L)	2.5 L	HC3	E
Hydrochloric acid, fuming (37%) (L)	2.5 L	HC3	E
Auramine O (g)	50 g	HC3	E
Potassium permanganate (g)	250 g	HC3	E

5.5.1 Mycobacteria Growth Indicator Tube

PP-tubes for centrifuge, sterile, 50 ml, MGIT culture tubes (pack of 100)	Boxes	NR	V
BACTEC MGIT 960 Supplement Kit (100 Test, PANTA and OADC combined)	Boxes	NR	V
BACTEC™ MGIT™ 960 SIRE kit, One kit is sufficient for 40 test	Boxes	NR	V
BBL MGIT Tubes for use in Bactec MGIT 960 (7ml) - 100 tubes/pkg	Boxes	NR	V
Single use plastic Pasteur-pipettes sterile pack by 10	Boxes	NR	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
5.5.2 TB Culture and Sensitivity / LPA			
Potassium dihydrogen phosphate (g)	500 g	NR	V
Di-Sodium hydrogen phosphate (g)	500 g	NR	V
Magnesium sulphate (g)	500 g	NR	V
Tri-Sodium citrate	500 g	NR	V
L-Asparagine (g)	2.5 g	NR	V
Glycerol (ml)	2.5 L	NR	V
Malachite green (g)	100 g	NR	V
OADC supplement (ml)	100 ml	NR	V
Sodium hydroxide, NaOH (g)	500 g	NR	V
N-acetyl-L-cysteine (NALC)	5 g	NR	V
PNB (g)	5 g	NR	V
7H9 Middle brook Media (g)	5 g	NR	V
5.5.3 DST- 1st Line (Solid) Antibiotics			
INH	5 g	NR	V
RMP	1 g	NR	V
EMB	100 g	NR	V
SM	5 g	NR	V
5.5.4 DST- 2nd Line (Solid) Antibiotics			
OFX	10 g	NR	V
KM	5 g	NR	V
AK	5 g	NR	V
CM	1 g	NR	V
MF	1 g	NR	V
Water molecular biology grade	1 L	NR	V

ITEM DESCRIPTION	UNIT	L	C
GenoType MTBDR plus V2 - 30496AM : 30496A GenoType MTBDRplus Version 2.0 and 51610 GenoLyse	Test	NR	V
Tag polymerase	1.5 ml	NR	V
Standard reaction tubes 2 ml	Piece	NR	V
Tubes PCR	Piece	NR	V
6. BLOOD TYPING AND BLOOD TRANSFUSION			
6.1 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	H	N
ANTI-A1 Lectin (IgM antibody)	50 ml	H	N
ANTI-H Lectin (IgM antibody)	10 ml	H	N
Anti-Human globulin (Polyclonal)- C3-complement and IgG antibody	10 ml	H	N
Anti-Human globulin (monoclonal) - C3	10 ml	H	N
ANTI-Human globulin (monoclonal) IgG antibody	10 ml	H	N

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
6.2 Red cell phenotyping antisera (antibodies)			
ANTI-D human IgG monoclonal anti body	10 ml	RR	E
ANTI C	10 ml	RR	E
ANTI E	10 ml	RR	E
ANTI K	10 ml	RR	E
ANTI K (cellano), IgG	10 ml	RR	E
ANTI Fya, IgG antibodies	10 ml	RR	E
ANTI Fyb, IgG antibodies	10 ml	RR	E
ANTI JKa, IgG antibodies	10 ml	RR	E
ANTI JKb, IgG antibodies	10 ml	RR	E
ANTI Lea, IgM antibodies	10 ml	RR	E
ANTI Leb, IgM antibodies	10 ml	RR	E
ANTI P1, IgM antibodies	10 ml	RR	E
ANTI M, IgG antibodies	10 ml	RR	E
ANTI N, IgM antibodies	10 ml	RR	E
ANTI S, IgG antibodies	10 ml	RR	E
ANTI Lu a, Both IgM / IgA anti body	10 ml	RR	E
ANTI Lu b, Both IgM / IgA anti body	10 ml	RR	E
ANTI- I, IgM anti body	10 ml	RR	E
6.3 Reverse typing antisera (serum typing)			
A1- standard cells	5 ml	RR	E
B- standard cells	5 ml	RR	E
O- standard cells	5 ml	RR	E
A2- standard cells	5 ml	RR	E

ITEM DESCRIPTION	UNIT	L	C
6.4 Antibody processing cells (for antibody detection test)			
Group O cells- antigen phenotyped RBCs	10 ml	RR	E
Panel cells for anti-body identification- antigen phenotyped RBCs (i.e. kell, kid etc.)	50 ml	RR	E
6.5 Enhancement / potentiating media			
Low Ionic Strength Saline (LISS)	10 ml	NR	V
Polyethylene Glycol (Peg)	10 ml	NR	V
Albumin Enzymes	10 ml	NR	V
6.6 UBTS			
UBTS-Blood Collection Bags (Single) 450 ml	Piece	NR	V
UBTS-Blood Collection Bags (Quadruple; Primary) 45	Piece	NR	V
Plaster Adhesive Zinc Oxide, 75 mm x 5 m	Piece	NR	V
Haemo Cue Cuvettes	Test	NR	V
UBTS-Copper Sulphate Analar	Test	NR	V
6.6.1 1st Line Testing Parameter and Back Up			
UBTS-HIV Architect Screening kit (CMIA) 2000 test	Test	NR	V
UBTS-HBS Ag/Ab Architect Screening Kit (CMIA) 2000 test	Test	NR	V
UBTS-HCV Architect Screening Kit (CMIA) 2000 test	Test	NR	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
UBTS-Syphilis Architect Screening Kit (CMIA) 2000 test	Test	NR	V
UBTS-Architech Hbsag Reagent 100 test	Test	NR	V
UBTS-Architect HIV Combo Reagent 100 test	Test	NR	V
UBTS-Architech Anti HCV Reagent 100 test	Test	NR	V
UBTS-Architech Syphilis Reagent 100 test	Test	NR	V

6.6.2 Controls and Calibrators

UBTS-Architech Syphilis Control	Test	NR	V
UBTS-Architech Syphilis Calibrator	Test	NR	V
UBTS-Architech HIV Ag Control	Test	NR	V
UBTS-Architech HIV Ag/Ab Combo Cal	Test	NR	V
UBTS-Architech Hbsag Control	Test	NR	V
UBTS-Architech Hbsag Calibrator	Test	NR	V
UBTS-Architech HCV Control	Test	NR	V
UBTS-Architech HCV Calibrator	Test	NR	V

6.6.3 Accessories

UBTS-Architech Trigger Solution 1 L	Test	NR	V
UBTS-Architech Pre Triger Solution 1 L	Test	NR	V
UBTS-Architech Reaction Vessels	Test	NR	V
UBTS-Architech Conc Wash Buffer 1 L	Test	NR	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
UBTS-Architec Septums 1 L	Test	NR	V
UBTS-Architec Probe Cleaning Solution 25 ml	Test	NR	V
UBTS-Architech Closure Green 100	Test	NR	V
UBTS-Architech Sample Cups 4 x 500	Test	NR	V
UBTS-Microplate U Bottom Shaped, 96 Wells	Test	NR	V
UBTS-Microplate V Bottom Shaped, 96 Wells	Test	NR	V
6.6.4 2nd Line Testing Parameter			
UBTS-HIV, Ag/Ab Combo Micro Plate Elisa 480t	Test	NR	V
UBTS-Hbs, Ag/Ab Combo Micro Plate V3 480t	Test	NR	V
UBTS-HCV Screening Test Micro Plate Elisa 480t	Test	NR	V
UBTS- Ice-Syphilis Micro Plate Elisa Screening Kit 480t	Test	NR	V
Pipette Tips Automated Elisa 1100 µl	Test	NR	V
Pipette Tips Automated Elisa 300 µl	Test	NR	V
Nat (PCR) Test For HIV, HBV, HCV & Zika	Test	NR	V
6.6.5 Regional Testing			
UBTS - Galileo ABD Fwd. And Reverse [ABD Full2]	Test	NR	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
UBTS - Galileo Antibody Screening With Pulled Cells 2	Test	NR	V
UBTS - Galileo Weak D[Weak D2]	Test	NR	V
UBTS - Galileo Abo IgM High Titer	Test	NR	V
UBTS - Galileo TPHA Combo Kit 100 Test Immocor Automation	Test	NR	V
Malaria Screening Test For Low PCV And Platelet Counts	Test	NR	V
RPR Test Strips 100 Strips	Test	NR	V
UBTS - Galileo TPHA Combo Kit 100 Test Immocor Automation	Test	NR	V
Treponema Test Strips 100 Test	Test	NR	V

7. CONSUMABLES**7.1 Sample Collection Consumables**

BD Vacutainer® Pre-attached Safety Devices - Pre-attached Eclipse™ 21G 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	HC2	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	HC2	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Blood Collection Tube, SST II Gel, Clot Activator, 4 ml, Plastic, Gold Top, 100 PC	Piece	HC2	V
Blood Collection Tube, Vacutainer containers-Sodium citrate	Piece	HC2	V
Capillary Tubes (Microhaematocrit), Heparin, 70 µl, 75 mm, Red, 200 PC	Piece	HC2	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, 21G 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	HC2	V
Blood Lancet, Spring Loaded	Test	HC2	V
Alcohol Swabs-Isopropyl Contents 70%	Piece	HC2	V
sputum containers (Falcon tubes)	Piece	HC2	V

7.2 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

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
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	NR	V
Waste Disposal bags (black)	Piece	NR	V
Gloves, Exam, Latex, Powdered, Non-Sterile, Lg, ASTM Standard, 100 PC	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	HC2	V
Examination Gloves powder free, Nitrile Large	Piece	HC2	V
Disposable lab gowns medium	Piece	HC2	V
Disposable lab gowns large	Piece	HC2	V
Lab Coat, Basic, White, Lg, 25 PC	Piece	HC2	V
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	HC2	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Cleaner, Hand sanitizer, No-Rinse Skin Sanitizer, 16oz	Oz	HC2	V
Eyewash Station, Wall Mounted 16oz Double, Sterile, Saline Solution, Each	Each	HC2	V
Face Masks, Surgical, With Ties, 50 PC	Piece	HC2	V
First Aid Kit, 36 Units, Each	Each	HC2	V
Specimen transport bag with pouch 160*165 (20*100), 1	Piece	NR	V
Goggles	Each	NR	V
7.3 Other required consumables			
Absorbent paper	Piece	HC2	V
Alcohol 95% Not Denatured 20 L	Piece	HC2	V
Alcohol Hand scrub 60 ml (Pocket Size)	Piece	HC2	V
Bag, autoclave	Piece	HC2	V
Burning spirit (L)	2.5 L	HC2	V
Capillary Tubes, EDTA 200 µl	Test	HC2	V
Centrifuge Tube, 15 ml, Plastic, Conical Bottom, Plug Seal, Sterile, 500 PC	Piece	HC2	V
Centrifuge Tube, 5mL, Glass, Conical Bottom, no cap, 12 PC	Piece	HC2	V
Rack, Centrifuge Tube, Plastic, 8 Place, 50mL Tubes, Each	Each	HC2	V
Diamond/Lead Pencils (piece) Fine Tip, Black, 10 PC	Piece	HC2	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
De-ionised water (L)	20 L	HC2	V
Disinfectants (5% lysol, 70% ethanol)	5 L	HC2	V
Filter paper circular (pieces)	Piece	HC2	V
Humidity Indicator Card, 1000 PC	Piece	HC2	V
Immersion oil (Bottle of 100 ml)	100 ml	HC2	V
Khan tubes	Piece	HC2	V
Lens tissue (booklets of 100 sheets)	Sheets	HC2	V
Loop, disposable 10 µl	Piece	HC2	V
Measuring cylinders– 50 ml- 100 ml graduated	Piece	HC2	V
Microscopy slides frosted end (piece) 76 x 25 mm	Piece	HC2	V
Pipet Tips, Blue, 100-1000 µl, Sterile, Rack, 1000 PC	Piece	HC2	V
Pipet Tips, Standard, Yellow, Sterile, Non-Filtered, 10-200 µl, 1000 PC	Piece	HC2	V
Pipet, Transfer, 3.0 ml Draw, 4 ml Capacity, Non-Sterile, 500 PC	Piece	HC2	V
Pipette Pasteur plastic, 3.5 ml sterile	Piece	HC2	V
Pipette tips -1000-5000 µl-white, Sterile, Non-Filtered	Piece	HC2	V
Pipette tips PE, 0.1-2.5 µl, DNase-free	Piece	HC2	V
Pipette tips PE, 100- 1000 µl DNase-free	Piece	HC2	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Pipette tips PE, 2.0-20 µl DNase-free	Piece	HC2	V
Pipette tips PE, 20-200 DNase-free	Piece	HC2	V
Pipetter Stand, Plastic, 6 Place, each	Each	HC2	V
Pipetter, Electronic, Adjustable Volume, 100-500 µl, each	Each	HC2	V
Pipetter, Electronic, Adjustable Volume, 500-1000 µl, each	Each	HC2	V
Pipetter, Electronic, Adjustable Volume, 5-50 µl, each	Each	HC2	V
Rack for tubes	Piece	HC2	V
Shoe Covers	Piece	HC2	V
Applicator sticks-Smearing sticks (piece)	Piece	HC2	V
Sterile Gauze Swab	Piece	HC2	V
Sterile glass beads, diameter 3 mm	Piece	HC2	V
Tape, sterilization indicator, for autoclaves	Piece	HC2	V
Test Tube, Glass, 13 x 100mm, Round Bottom, Plain end, 250 PC	Piece	HC2	V
Test Tube, Plastic, 12 x 75mm, Round Bottom, Falcon Type, Non-Sterile, No Cap, 1000 PC	Piece	HC2	V
Thermometer, Refrigerator/Freezer (water bath, heating blocks, incubators), Digital, -99 to 199 C,	Each	HC2	V
Timer, Countdown, Digital, Battery, Each	Each	HC2	V

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Tube brush length 80 mm	Piece	HC2	V
Tube, centrifuge, 15 ml with screw cap	Piece	HC2	V
Tube, centrifuge, 50 ml with screw cap	Piece	HC2	V
Tube, Microcentrifuge, 1.5 ml, Conical Bottom, Screw Cap, Plastic, Max RCF: 30,000G, 500 PC	Piece	HC2	V
Universal bottle for cultures, 28 ml	Piece	HC2	V
Weighing boat	Piece	HC2	V
Wool Cotton B.P. 500 g	Piece	HC2	V
Xylene (L)	2.5 L	HC2	V
Hair Cover	Piece	NR	V

7.4 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
Staining rack (pieces)	Piece	HC3	E
Drying rack (pieces)/ Heating Torch/rod	Piece	HC3	E
Slidebox (pieces) 100 slides 76 x 25 mm Plastic	Piece	HC3	E
Timer (pieces)	Piece	HC3	E
Staining bottle/reagent drop bottles (pieces)	Cartons	HC3	E

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Funnel (pieces)	Piece	HC3	E
Measuring Cylinder (500 ml) Plastic	Piece	HC3	E
Erlenmeyer flasks- 2000 ml	Piece	HC3	E
Erlenmeyer flasks- 1000 ml	Piece	HC3	E
Erlenmeyer flasks- 500 ml	Piece	HC3	E
Erlenmeyer flasks- 250 ml	Piece	HC3	E
Erlenmeyer flasks- 100 ml	Piece	HC3	E
Erlenmeyer flasks- 50 ml	Piece	HC3	E
Measuring cylinders- 1000 ml - 0.5 ml graduated	Piece	HC3	E
Measuring cylinders- 500 ml - 2.5 ml graduated	Piece	HC3	E
Measuring cylinders - 250 ml - 1 ml graduated	Piece	HC3	E
Measuring cylinders - 100 ml - 0.5 ml graduated	Piece	HC3	E
Measuring cylinders - 50 ml - 0.5 ml graduated	Piece	HC3	E
Measuring cylinders - 25 ml - 0.25 ml graduated	Piece	HC3	E
Measuring cylinders - 1000 ml - 10 ml graduated	Piece	HC3	E
Measuring cylinders - 500 ml - 5 ml graduated	Piece	HC3	E
Measuring cylinders - 250 ml - 2 ml graduated	Piece	HC3	E
Measuring cylinders - 100 ml - 1 ml graduated	Piece	HC3	E

SECTION D: LABORATORY SUPPLIES

ITEM DESCRIPTION	UNIT	L	C
Measuring cylinders - 50 ml - 1 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
Laboratory beakers; 100 ml (ETFE)	Piece	HC3	E
Volumetric flasks 1000 ml	Piece	HC3	E
Volumetric flasks 500 ml	Piece	HC3	E
Volumetric flasks 250 ml	Piece	HC3	E
Volumetric flasks 200 ml	Piece	HC3	E
Volumetric flasks 100 ml	Piece	HC3	E
Volumetric flasks 50 ml	Piece	HC3	E
Volumetric flasks 25 ml	Piece	HC3	E
Volumetric flasks 20 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

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NOTES





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