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LABORATORY LOCATION: (PERMANENT LABORATORY) 回流设备	JSS Medical Lab (M) Sdn. Bhd. No. 37, Jalan Bulan U5/BL, Bandar Pinggiran Subang, Seksyen U5, 40150 Shah Alam, Selangor., 40150, SELANGOR MALAYSIA
ACCREDITED SINCE :	19 MARCH 2025
FIELD(S) OF MEDICAL TESTING:	CHEMICAL PATHOLOGY
	HAEMATOLOGY
	MEDICAL MICROBIOLOGY

The standard used for assessment of this laboratory is MS ISO 15189:2022 (ISO 15189:2022, IDT).

A medical laboratory's fulfilment of the requirements of ISO 15189 means the laboratory meets both the technical competence requirements and the management system requirements necessary for it to consistently deliver technically valid test results. The management system requirements in ISO 15189 are written in language relevant to a medical laboratory's operations. Medical laboratories that implement ISO 15189 operate generally in accordance with the principles of ISO 9001. (See Joint IAF-ILAC-ISO Communiquè, November 2021)

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CENTRAL LOCATION	JSS Medical Lab (M) Sdn. Bhd.
	No. 37, Jalan Bulan U5/BL, Bandar Pinggiran Subang, Seksyen U5, 40150 Shah Alam, Selangor., 40150, Selangor
FIELD(S) OF MEDICAL TESTING:	CHEMICAL PATHOLOGY, HAEMATOLOGYMEDICAL MICROBIOLOGY

SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Urine	Opiates Screening	Test Strip, Cut-off: 300ng/mL
		method as
	None	documented in JSS/WI.02/1.04;
		Index: 4.0
	None	Enzyme immunoassay, Cut-off:
		300ng/mL
	None	method / BS 120 -" Mindray as
		documented in
	None	JSS/WI.02/1.06; Index 6.0
	Cannabinoids Screening	Test Strip, Cut-off: 50ng/mL
		method as
	None	documented in JSS/WI.02/1.05;
		Index: 5.0
	None	Enzyme immunoassay, Cut-off:
		50ng/mL / BS
	None	120 -" Mindray as documented in
	None	JSS/WI.02/1.07; Index 7.0
	Urine Analysis	Test Strip (10 Parameters)
		method / Mission
	None	U500 Urine Analyzer as
		documented in
	None	JSS/WI.02/1.02; Index: 2.0
	Urine Pregnancy Test	Test Strip, Sensitivity: as
	None	documented in Index: 9.0
	Opiate	Rapid visual Immunoassay as
		documented in
	None	DWL/LAB/LW1/001/004
	None	Beckman Coulter AU480 based
		on EIA principles
	None	as documented in
		DWL/LAB/LWI/001/002
	Cannabinoids	Rapid visual Immunoassay as
		documented in
	None	Beckman Coulter AU480 based
		on EIA principles

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None	as documented in
	DWL/LAB/LWI/001/003 Test
	method using DUS R-720 gen ne
	od nd ep ethod eage oda
	croscopic as
Urine HCG	documented in Rapid test strip
	method by visual interpretation as
None	documented in
	DWL/LAB/LWI/001/010
Morphine Drug Test	Homogenous Enzyme
	Immunoassay Technique as
None	Documented in (MTM 05)
Cannabinoids Drug Test	Homogenous Enzyme
Carriabiliolas Brag Test	Immunoassay Technique as
None	Documented in (MTM 04)
Cannabinoids and Morphine Drug	Jus check Drug Test Device by
Test	Chromatographic Immunoassay
1 531	as documented in (MTM 10)
Urine Full Examination	, ,
Offine Full Examination	Analyzer ACON MISSION U-500,
(55845)	DIRUI H-500)
(FEME)	as Documented in (MTM 06A,
	MTM 06B)
Urine Pregnancy Test	Uni check Test Strip by Rapid
	Chromatography
None	Immunoassay as Documented in
	(MTM 08)
Screening for Opiates	Kinetic interaction of
	microparticles in a solution
(OPI	(KIMS) by using Roche Cobas
	Pro as
None	documented in PL/WI/CP-02:
	Index 15.0 and
None	17.0
None	Rapid Test Strip Method using
	visual
None	interpretation as documented in
None	PL/WI/CP-02; Index 9.0
Screening for	Kinetic interaction of
	microparticles in a solution
Cannabinoids (THC)	(KIMS) by using Roche Cobas
	Pro as
None	documented in PL/WI/CP-02:
	Index 15.0 and
None	18.0.
None	Rapid Test Strip Method by visual
	interpretation
None	as documented in PL/WI/CP-02;
	Index 8.0
Urine FEME	Test Strip Method using Mission
	U500 urine

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None	analyser and microscopy method as documented
None	in Index 4.0, 11.0 and 12.0
	Rapid Test Strip Method by visual
Urine Pregnancy Test	
None	interpretation
None	as documented in PL/WI/CP-02;
Urine Calcium	Index 5.0 NM-BAPTA / Cobas Pro c503 as
Onne Calcium	
None	documented
None Urine Chloride	in
Offile Chilofide	Ion Selective Electrode, Indirect Potentiometry
None	/ Cobas Pro c503 as documented
None	in
None	HSJ/JP/CP/TM-A16
Urine Creatinine	Kinetic Colorimetric-Jaffe /
Offile Creatifilite	Cebas-6000-6504
(random and 24 hrs)	Cobas Pro c503 as
None	documented in HSJ/JP/CP/TM-
None	A12
Urine Albumin/	Immunoturbidimetric / Cobas Pro
Office Albarrilly	c503 as
Microalbumin	documented in HSJ/JP/CP/TM-
Microalburnin	A02
Urine Magnesium	Colorimetric Endpoint (Xylidyl
Office Magnesiani	Blue) / Cobas
None	Pro c503 as documented in
110110	HSJ/JP/CP/TM-
None	A19
Urine Phosphate,	Molybdate, UV / Cobas Pro c503
,	as
Inorganic	documented in HSJ/JP/CP/TM-
- 9	A21
Urine Potassium	Ion Selective Electrode, Indirect
	Potentiometry
None	/ Cobas Pro c503 as documented
	in
None	HSJ/JP/CP/TM-A16
Urine Protein, Total	Benzathonium Chloride / Cobas
	Pro c503 as
None	documented in HSJ/JP/CP/TM-
	A24
Urine Sodium	Ion Selective Electrode, Indirect
	Potentiometry
None	/ Cobas Pro c503 as documented
	in
None	HSJ/JP/CP/TM-A16
Urine Urea	Urease / Cobas Pro c503 as
	documented in
None	HSJ/JP/CP/TM-A26

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Urine Uric Acid	Uricase / Cobas Pro c503 as
	documented in
None	HSJ/JP/CP/TM-A25
Urine Pregnancy Test	ACRO BIOTECH, INC hCG
	Pregnancy Rapid Test Dipstick
	(Urine) / Rapid Chromatographic
	Immunoassay
Urine Pregnancy Test	Document Quality
	HSBAS/PAT/INT/TPM/09
Culture & Sensitivity	Manual test and automation
•	VITEK2 / BIOMIC /
Culture & Sensitivity	Urine analyzer for cell count /
,	MALDITOF
Culture & Sensitivity	Quality Document
Culture & Sensitivity	1 Investigation of Urine Specimen
Canara a Correlativity	(HSBAS/PAT/
Culture & Sensitivity	MIK/ BAK/TM 16)
Culture & Sensitivity	2. Antimicrobial Susceptibility
Culture & Serisitivity	Testing
Cultura & Canaitivity	
Culture & Sensitivity	(HSBAS/PAT/ MIK/ BAK/TM 23)
Culture & Sensitivity	Malditof (HSBAS/PAT/ MIK/ BAK/
0.14 0.0 141.14	TM-29)
Culture & Sensitivity	Bacterial Identification
Culture & Sensitivity	(HSBAS/PAT/ MIK/ ID/ TM/01)
Culture & Sensitivity	Biomic (HSBAS/PAT/ MIK/
	BAK/TM 32)
Culture & Sensitivity	Vitek2 (HSBAS/PAT/ MIK/
	BAK/TM 30)
Culture & Sensitivity	Penyediaan Media (HSBAS/PAT/
	MIK/ AK 01)
Morphine	Morphine based on test strips as
	documented in
None	Promedi MTM_05_Morphine test
	strip
Cannabinoids	Cannabinoids based on test
	strips as
None	documented in Promedi
	MTM_04_Canabis test
None	strip
Urine Examination	Urine Examination as
	documented in Promedi
None	MTM_06_Urine (GLU/PRO)
Urine Pregnancy Test	Urine Pregnancy Test (UPT) Test
Cilio i regilarity rest	Strip based on
(UPT)	Rapid Chromatographic
(3.1)	immunoassay as
None	documented in Promedi
INOTIE	
Nana	MTM_08_Urine
None	Pregnancy Test.
Opiates	Enzyme Immunoassay Method
	as

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Opiates	documented in MV-SOP-CP-01
THC	Enzyme Immunoassay Method
	as
THC	documented in MV-SOP-CP-01
Urine Pregnancy Test	Rapid Chromatographic
Urine Pregnancy Test	Immunoassay as documented in
Urine Pregnancy Test	MV-SOP-CP-01
Determination Of SG, pH,	Urinalysis test strips as
7.	documented
Leucocytes, Nitrite, Protein,	in MV-SOP-CP-03
Glucose, Ketone, Urobilinogen,	None
Bilirubin, Blood (Test Strips for	None
Analysis)	None
Screening for Morphine	Rapid Visual Immunoassay using
σοι σοι	Strip as
None	Documented in MXL/WI- 08
Screening for	Rapid Visual Immunoassay using
	Strip as
Cannabinoids	Documented in MXL/WI-09
Urine for Biochemistry	Urinalysis Strip using Dirui H500
Chine for Biconomically	analyzer as
(Albumin & Glucose)	documented in MXL/WI-06 Urine
(Albanini & Glacoco)	FEME DIRUI
None	H-500 reader & Urine FEME
110110	Visually
Urine Pregnancy Test	Rapid Visual Immunoassay using
office regulator rest	Strip as
(UPT)	documented in MXL/WI-07 Urine
None	Pregnancy Test
Pregnancy Test	Urine Pregnancy Test as
regnancy rest	documented in
None	BPLab/UPT-01 -" Rapid
None	chromatographic
None	immunoassay
Urine examination	Urine Examination as
Office examination	documented
(Microscopy and	BPLab/UFEME-01 Biochemistry
(Microscopy and	-" multi-
Biochemistry)	parameter test strip
None	Urine Microscopy as documented
None	· · ·
None	in BPLab/UFEME-02
None Opiotos Scrooping	
Opiates Screening	Test Strip, Cut-off: 300ng/mL
Opiotos Sercenina	Method / as
Opiates Screening	documented in MLS/LAB/WI.1.0;
Canadinaida Caraanina	Index 1.0
Cannabinoids Screening	Test Strip, Cut-off: 50ng/mL
Canada in aida Contrativo	Method / as
Cannabinoids Screening	documented in MLS/LAB/WI.1.0;
	Index 1.0

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Amphetamine Screening	Test Strip, Cut-off: 1000ng/mL Method / as
Amphetamine Screening	documented in MLS/LAB/WI.1.0; Index 1.0
Urine Feme	Test Strip, 10 tests parameter Method / Mission
Urine Feme	U500 Urine Analyzer as
	documented in
Urine Feme	MLS/LAB/WI.1.0; Index 2.0
Urine Feme	MLS/LAB/WI.1.0; Index 3.0
Urine Feme	MLS/LAB/WI.1.0; Index 6.0
Urine Feme	Microscopic Method / Microscope as
Urine Feme	documented in MLS/LAB.WI.1.0; Index 4.0
Urine Pregnancy Test	Test Strip, Sensitivity: Method /
Urine Pregnancy Test	documented in MLS/LAB/WI.1.0; Index 5.0
Urine FEME	Test Strip, 10 tests parameter method /
Urine FEME	Mission U500 Urine Analyzer as documented
Urine FEME	in JH/WI/07-Rev 6
Urine FEME	Microscopic, 10X & 40X (low and high-power
Urine FEME	field) method / Microscope as documented in
Urine FEME	JH/WI/07-Rev 6; clause 7.1.7.2
Opiates Screening	Test Strip, Cut-off: 300ng/mL method as
Opiates Screening	documented in JH/WI/08-Rev 6; clause 8.2
Cannabinoids Screening	Test Strip, Cut-off: 50ng/mL method as
Cannabinoids Screening	documented in JH/WI/08-Rev 6; clause 8.1
Urine Pregnancy Test	Test Strip, Sensitivity: method as
Urine Pregnancy Test	documented in JH/WI/09-Rev 5
Opiate / Morphine	Opiate Assay Homogenous Enzyme
Opiate / Morphine	Immunoassay DIRUI CS-400 Auto-Chemistry
Opiate / Morphine	Analyser as documented in MTM-CP-09
Cannabinoids	Cannabinoids Assay -" Homogeneous Enzyme
Cannabinoids	Immunoassay DIRUI CS-400 Auto-Chemistry
Cannabinoids	Analyser as documented in MTM-CP-10

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Urine Chemistry (Protein	Manual method with DIRUI 2 items (Protein &
9 Chucasa)	· · · · · · · · · · · · · · · · · · ·
& Glucose)	Glucose) test strips as
0.01	documented in MTM-
& Glucose)	CP-12
Urine Pregnancy Test	Manual method with the Ecotest HCG-U11
Urine Pregnancy Test	Human Chorionic Gonadotropin Rapid Test
Urine Pregnancy Test	Strips as documented in MTM-CP-11
Cannabinoids drug test	Dipstick
Morphine drug test	Dipstick
Urine Full Examination	Analyzer ACON MISSION U-500
(FEME)	nan
Urine Pregnancy Test	HCG Rapid Test Device
Urine Biochemistry -"	Immunochromatographic
23 2.00.10.1.10.1.9	Principle (Dipstick) /
Glucose & Albumin	Manual method as documented
Sidoose a 7 libariiii	in Q
Glucose & Albumin	LAB SOP 08
Urine Pregnancy Test	Rapid Chromatographic
Office Fregulaticy Test	Immunoassay / Visual
Urine Pregnancy Test	Observation of Strip Test as
Office Fregulaticy Test	documented in Q
Urino Drognonov Toot	
Urine Pregnancy Test	LAB_SOP_11
Urine Drugs -" Morphine	Immunochromatographic / Visual Observation of
and Cannabinoids	strip test as documented in Q LAB_SOP_09
and Cannabinoids	(MORPHINE) and Q LAB_SOP_10
and Cannabinoids	(CANNABINOIDS)
Benzodiazepines	Rapid Chromatographic
·	Competitive Binding
Benzodiazepines	mmunoassay Method/Manual as
·	documented in
Benzodiazepines	GPQD/BI/SOP-21
Barbiturates	Rapid Chromatographic
	Competitive Binding
Barbiturates	mmunoassay Method/Manual as
	documented in
Barbiturates	GPQD/BI/SOP-21
Cocaine	Rapid Chromatographic
20040	Competitive Binding
Cocaine	mmunoassay Method/Manual as
Coduito	documented in
Cocaine	GPQD/BI/SOP-21
Propoxyphene	Rapid Chromatographic
гторохурпепе	Competitive Binding

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Propoxyphene	mmunoassay Method/Manual as
	documented in
Propoxyphene	GPQD/BI/SOP-21
Amphetamines	Kinetic interaction of
•	microparticles in a
Amphetamines	solution/Cobas c502 as
•	documented electronically
Amphetamines	in Roche Cobas c502
Cannabinoids	Kinetic interaction of
	microparticles in a
Cannabinoids	solution/Cobas c502 (4)
	documented as
Cannabinoids	electronically in Roche Cobas
	c502
Opiates	Kinetic interaction of
	microparticles in a
Opiates	solution/Cobas c502 (4)
•	documented as
Opiates	electronically in Roche Cobas
	c502
Microalbumin	Immunoturbidimetric/Cobas c502
	as documented
Microalbumin	electronically in Roche Cobas
	LINK/Cobas c502
Phenycyclidine	Rapid Chromatographic
	Competitive Binding
Phenycyclidine	Immunoassay Method/Manual as
	documented in
Phenycyclidine	GPQD/BI/SOP-21
Total Protein	Turbidimetric (Benzethonium
	chloride)/Cobas c502
Total Protein	(4) documented electronically in
	Roche Cobas LINK/
Total Protein	Cobas c702
Urine Pregnancy Test	Rapid Chromatographic
	immunoassay/Manual
Urine Pregnancy Test	as documented in Processing
	Urine Pregnancy
Urine Pregnancy Test	Test (GPQD/MIC/SOP-33)
Urine Culture and	Conventional method as
	documented in Urine
Sensitivity	Culture -" (GPQD/MIC/SOP-56)
Sensitivity	Culture by Laser Nephelometry
	Automated by
Sensitivity	Analyzer Alfred 60 (1)
	(GPQD/MIC/SOP-102)
Cannabinoids	Rapid competitive binding
Cannabinoids	Immunochromatography/Manual
	as documented in
Cannabinoids	GPQD/BI/SOP-4
Opiates	Rapid competitive binding

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Opiates	Immunochromatography/Manual
	as documented in
Opiates	GPQD/BI-SOP-4
FEME	Urine dipstick on Roche Cobas U411 as documented
Dipstick (chemistry)	electronically in Roche COBAS LINK/COBAS U411
Microscopy	and microscopy based on manual method as
Microscopy	documented in GPQD/MIC/SOP-12,
Microscopy	GPQD/MIC/SOP-43, GPQD/MIC/SOP-58
Urine pregnancy Test	Rapid Chromatographic Immunoassay/ManualTest
Urine pregnancy Test	strip based on as documented in GPQD/MIC/SOP-
Urine pregnancy Test	11
Culture and Sensitivity	Disc diffusion susceptibility
	method as documented
Culture and Sensitivity	in GPQD/MIC/SOP-83,
Destarial Harrier and	GPQD/MIC/WI-5
Bacterial Identification	FCommerical Kits documented in
Bacterial Identification	as GPQD/MIC/IS-3
Bacterial Identification	Test Identification with API
Daoterial identification	System as documented
Bacterial Identification	in GPQD/MIC/SOP-28
Staining Techniques	Manual method as documented
	in GPQD/MIC/SOP-
Gram Stain	48
FEME	Urine dipstick and microscopy
	based on manual
FEME	method as documented in GPQD/MIC/SOP-12,
FEME	GPQD/MIC/SOP-43, GPQD/MIC/SOP-58
Malarial parasite	Microscopy as documented in GPQD/HAE/SOP-
Malarial parasite	22, GPQD/HAE/SOP-28
Dengue Ab IgG/IgM	Fluorescence
D 41 1 0 // 14	Immunoassay/F200 as
Dengue Ab IgG/IgM	documented in GPQD/HAE/SOP-30
Dengue NS1	Fluorescence
<u> </u>	Immunoassay/F200 as
Dengue NS1	documented in
	GPQD/HAE/SOP-29
Urea	as documented electronically in Roche C311

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Uric Acid	Spectrophotometry/Cobas c311 as documented electronically in Roche C311
Microalbumin	Spectrophotometry/Cobas c311
Wilcidalbumin	
	as documented electronically in Roche C311
FEME	Urine dipstick as documented in
	GPQD/MIC/SOP-
FEME	43
FEME	Urine dipstick as documented in GPQD/MIC/SOP-
FEME	12
Urine Pregnancy Test	Rapid chromatographic
,	immunoassay as
Urine Pregnancy Test	documented in
James reginality rest	GPQD/MIC/SOP-11
Metals in Urine	None
Culture & sensitivity	Manual method as documented
2 s.i.d. 3 d. 33 iloidvity	in:
Culture & sensitivity	a) MK-HPSF-PAT-MC-06
Culture a seriolityity	(Manual Kerja Pengendalian
	Spesimen Urin)
Pregnancy test (UPT)	Rapid Immunochromatographic
rregnancy test (OFT)	Assay as documented in
	GPQD/MIC/SOP-33
	GPQD/MIC/SOP-33

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nan	Agilent 1260 HPLC with
Hall	Fluorescence
non	Detector
nan	Manual Method As Documented
Culture & Sensitivity Testing	in HSNI/PAT/MB/AK-12
Lluinghaig	
Urinalysis	Dipstick on IRICELL iChem
	VELOCITY as documented in
Urinalysis	HS/JP/WI (CP;07)-016 Urine Full
<u></u>	Examination on IRICELL iChem
Urinalysis	VELOCITY Analyzer
Urinalysis	Sediment Urine microscopy as
	documented in HS/JP/W1 (CP;
	07)- 017 Urine Full Examination
	on Iris lo-
Urinalysis	200 SPRINTAutomated Urine
Urinalysis	Microscopic Analyser
Urine Pregnancy Test	Immunochromatographic Test Kit
	as documented in HS/JP/W1
Urine Pregnancy Test	(CP;07)-025 Urine One Step
	Pregnancy Test
URINE DRUG OPIATE ASSAY	Rapid visual Immunoassay as.
(RAPID TEST)	documented in DS/LAB/LW 1/003
URINE DRUG THC ASSAY	Rapid visual Immunoassay as.
(RAPID TEST)	documented in DS/LAB/LW 1/003
Urine Pregnancy Test (HCG	Rapid test strip method by visual
Rapid Test Strip)	interpretation as documented in
rapid root Guip)	DS/LAB/LW 1/003
UFEME	Test strip method using DiaLab
Of LIVIE	Urine Analyser based on reagent
	strip method and microscopic
	method as documented in
	DS/LAB/LW 1/003
Cultura & Sanaitivity	
Culture & Sensitivity	Semi Quantitative Using Dip
	Strips As documented in HTPG/JP/MIC/AK-05,
	,
	HTPG/JP/MIC/AK-24,
	HTPG/JP/MIC/AK-29 and
One of the transfer	HTPG/JP/MIC/AK-32
Creatinine	Picrate method as documented in
	LWICP11
Urine Protein	Architect ci8200 based on
	Benzethonium Chloride method
	as documented in LWI CP47

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Microalbumin	Architect ci8200 based on the
	Turbidimetric /
	Immunoturbidimetric method as
	documented in LWI-CP36
Microscopy ? Gram Stain	Gram staining method as
	documented in SASMEC@IIUM/
	PALM/MIC-WI1313
Culture, identification and	Culture, identification and
Sensitivity	Sensitivity methods as
	documented in; SASMEC@IIUM/
	PALM/MIC-W10302 SASMEC@II
	UM/PALM/MIC-W10202 SASME
	C@IIUM/PALM/MIC-WI10314 SA
	SMEC@IIUM/PALM/MIC-WI0315
	SASMEC@IIUM/PALM/MIC-
	W10205

SCOPE OF MEDICAL TESTING: HAEMATOLOGY

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Whole Blood	ABO & Rh Blood	Test Tube Method / Centrifuge as
		Documented
	Grouping	in Index: 1.0
	Rh Negative Confirmation	Rh Negative Confirmation Test /
		Centrifuge
	None	and Water Bath 37°C as
		Documented in
	None	AF/WI.01/1.04; Index: 4.0
	Malaria Parasite	ELISA -" Qualisa Malaria-"¢
		method / Incubator
	None	37 °C, Microplate washer and
		Reader as
	None	documented in JSS/WI.03/1.01;
		Index: 1.0
	None	Blood smear thick and thin
		method as
	None	documented in Index: 3.0
	Blood Grouping/Rh	Microtitre plate and tube method
		based on
	None	Antigen-Antibody reaction as
		documented in
	None	DWL/LAB/LW1/002
	Malarial Parasite	Manual ELISA method as
		documented in
	None	DWL/LAB/LW1/003/006 &
	None	Blood Film Malarial Parasite as
		documented in

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None	DWL/LAB/LW1/003/007
Malaria Antigen	Malaria ELISA Enzyme Linked Immunosorbent
Screening Test (ELISA)	Assay / ELISA Semi Automated Instrument -"
Screening Test (ELISA)	Washer, Reader and Incubator as Documented
Screening Test (ELISA)	in NML_SOP_04
Blood film for Malaria	Blood Film Malaria Parasite (Thick and Thin
Parasite	Film) / Giemsa Staining of Thick and thin Blood
Parasite	Film as Documented in NUL_SOP_05
ABO Blood	Forsure, Test Tube as Documented in (MTM 01)
Grouping/Rhesus	None
Malaria Antigen	Qualisa ELISA as Documented in
None	(MTM 07A)
Malaria Slide	Thick & Thin Blood Film by Microscopy
None	Method as Documented in (MTM 07B)
ABO & Rh Blood	Microtitre Plate and Tube Method as documented
Grouping	in PL/WI/HAE-03; Index 1.0 and 2.0
None	Rh Confirmation Test as documented in
None	PLIWI/HAE-03; Index 4.0
Malaria Parasite	ELISA method as documented in PL/WI/MIC-04;
None	Index 5.0; Qualisa Malaria
None	Thick and thin film using microscopy method as
None	documented in PL/WI/MIC-04; 4.0
1. Full Blood Count	Haemoglobin: Colorimetric method
None	Cell differentiation and counting: Impedance
None	method, laser scatter and SF Cube cell
None	analysis technology / Automated Mindray BC
None	6200 Haematology Analyzer as Documented
None	in HSJ/PAT/HEM/W101 FULL BLOOD COUNT
None	& BLOOD FILM PREPARATION USING

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None	MINDRAY BC6200 AND
	MINDRAY SC120
2. Slide Review	Automated blood film preparation
	and staining
None	/ Automated Mindray SC120 as
	Documented
None	in HSJ/PAT/HEM/WI05 SLIDE
	REVIEW
3. Full Blood Picture	Automated blood film preparation
	and staining /
None	Automated Mindray SC120 as
	Documented in
None	HSJ/PAT/HEM/W104 FULL
	BLOOD PICTURE
4. Erythrocyte	Westergreen method /
	Automated Jokoh Smart
sedimentation rate (ESR)	Rate as Documented in
	HSJ/PAT/HEM/WI07
None	ESR USING JOKOH SMART
	RATE
HbA1c	High Performance Liquid
	Chromatography / BIORAD
	Variant II Turbo
HbA1c	Document Quality
	HSBAS/PAT/INT/TPM/23
Full Blood Picture	Manual test as documented in
Full Blood Count and	Sysmex XN1000 as documented
	in
Uric Acid	Method: Immunoturbidimetric
Uric Acid	Machine: Beckman Coulter
	AU480
Uric Acid	Procedures are as documented
	in
Uric Acid	MV-SOP-CP-01
ABO Blood Grouping	Tube Method as documented in
ABO Blood Grouping	MV-SOP-HEM-02
Full Blood Count	Machine: Beckman Coulter DxH
	500
Full Blood Count	Procedure as documented in
Full Blood Count	MV-SOP-HEM-01
ELISA For Malaria Specific	Enzyme Linked Immunosorbent
	Assay
Antigen	(ELISA) as documented in
Antigen	MV-SOP-MIC-03
ABO & Rhesus Blood	Tube Method as documented in
	MXL/WI-04
Grouping	Blood Grouping
Malaria Antigen	ELISA method / ELISA reader
	(Chromate) as
None	documented in MXL/WI-05
	Malaria Parasite

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ABO & Rh D Blood	Manual tube method as
	documented in Blood
Grouping	Bank Procedure Manual chapter BP020
Cross-matching	Column Agglutination (gel card) method as
Cross-matching	documented in Blood Bank
g. eee matering	Procedure Manual
Cross-matching	chapter BP026
Direct Antiglobulin Test	Column agglutination (gel card)
	method as
Direct Antiglobulin Test	documented in Blood Bank procedure Manual
Direct Antiglobulin Test	chapter BP085
Antibody screening /	Column agglutination (gel card) method as
Indirect Antiglobulin Test	documented in Blood Bank
	Procedure manual
Indirect Antiglobulin Test	chapter
Full Blood Count (FBC)	Fluorescent flow cytometry,
	hydrodynamic
Full Blood Count (FBC)	focusing and Cyanide-free SLS
	method using
Full Blood Count (FBC)	Sysmex XN 1000 analyzer as
Full Blood Count (FBC)	documented in Haematology
	Procedure
Full Blood Count (FBC)	Manual, YP037
ABO & Rh Blood	Test Tube Method / Centrifuge as
	documented
Grouping	in
Grouping	MLS/LAB/WI.3.0; Index 1.0
Grouping	MLS/LAB/WI.3.0; Index 2.0
Grouping	MLS/LAB/WI.3.0; Index 3.0
Malaria Parasite	ELISA Method / Microplate washer, Incubator
Malaria Parasite	37°C and Reader as
ividiaria i arasito	documented in
Malaria Parasite	MLS/LAB/WI.2.0; Index 1.0
Malaria Parasite	Blood Smear Thick and Thin
maiana i araono	Method as
Malaria Parasite	documented in MLS/LAB/WI.2.0;
	Index 2.0
ABO & Rhesus Blood	Test Tube method / Centrifuge as
	documented
Grouping	in JH/WI/01-Rev 6
Malaria Parasite	ELISA -" Qualisa MalariaTM Method /
Malaria Parasite	Incubator 37°C, Microplate
Malaria Danasii	washer and Reader
Malaria Parasite	as documented in JH/WI/04-Rev

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Malaria Parasite	Blood smear thick and thin
	method as
Malaria Parasite	documented in JH/WI/04-Rev 4;
	clause 4.2
iii Hematocrit	None
iv. Mean Cell Volume Mean Vv	b Coulter Principle, CN-Free
	Hemoglobinometry,
	Flowcytometry / UniCel DxH 800
	Coulter as documented in
Corpuscular	None
Haemoglobin	None
Mean Cell vi	None
Haemoglobin	None
Concentration	None
vii Platelet	None
viii Red Cell	None
Distribution	None
Width (CV)	None
Full Blood Picture	Fully automated preparation /
	Sysmex XN3000
(FBP)	(Sysmex XN-20 Integrated with
	Automated Slide Maker SP10) as
	documented in
Haemoglobin	Capillary Electrophoresis (CE) /
	SEBIA Flex2
Analysis	Cap Piercing Analyser as
	documented in
None	HA/HAEM/MRKH/RC/WI-23
None	Gel Electrophoresis (acid) /
	Hydrasis Gel
None	Electrophoresis Analyser as
	documented in
None	Gel Electrophoresis (alkaline) /
	Hydrasis Gel
None	Electrophoresis Analyser as
	documented in
None	HA/HAEM/MRKH/RC/WI-25
Blood Count (FBC)	Electrical resistance for counting
,	WBC, RBC and
White Cell	PLT and cyanide free method for
	hemoglobin /
None	as documented in
None	HA/HAEM/MRKH/CYT/WI-11v1
Karyotyping	G-banding technique / MetaSyste
, ,, ,	m: IKAROS imaging as
	documented in
None	HA/HAEM/MRKH/CYT/WI-05-1v2
None	HA/HAEM/MRKH/CYT/WI-11v1
None	HA/HAEM/MRKH/CYT/WI-12v2
Hybridization (FISH)	/MetaSytem ISIS imaging as
,	documented in
	accamond in

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None	HA/HAEM/MRKH/CYT/WI-13v1
	HA/HAEM/MRKH/CYT/WI-13V1
	HA/HAEM/MRKH/CYT/WI-17V2
	HA/HAEM/MRKH/CYT/WI-10V2
	HA/HAEM/MRKH/CYT/WI-19 V1
	FISH method /Thermobrite-
	StatSpin,Abbott Molecular
	/MetaSytem ISIS imaging as
` ,	documented in
	HA/HAEM/MRKH/CYT/WI-13v1
	HA/HAEM/MRKH/CYT/WI-13V1
	HA/HAEM/MRKH/CYT/WI-17V2
	HA/HAEM/MRKH/CYT/WI-10V2
	HA/HAEM/MRKH/CYT/WI-19 V1
	Tube Method as documented in
,	MTM-IH-06
	ELISA Method as documented in
3	MTM-IH-03
	ROBONIK Washwell plate Elisa
	Washer
	ROBONIK Readwell touch Elisa
3	Plate
	Analyser
	Microscopy -" Thick and Thin
	Blood Film as
	documented in MTM-IH 07
,	Giemsa stain
,	Cell count using Sysmex XN 550
	and XN 1000
	analyzers as documented in
	Haematology
	Procedure Manual Chapter and
	YP037
	Manual tube method as
	documented in Blood
	Bank Procedure Manual Chapter
	BP020
	Column Agglutination Technology
	method as
	documented in Blood Bank
	Procedure Manual
	Chapter BP026
	Test Tube
	nan
	Mythic-,,¢ 22 AL
Blood Cell	, ne
	nan
	nan
N	nan
	nan
D 1.11	nan
"	

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Red Blood Cell	nan
Hemoglobin	nan
Hematocrit	nan
Mean Cell	nan
Volume	nan
Mean	nan
Corpuscular	nan
Hemoglobin	nan
Concentration	nan
Red Cell	nan
Distribution Width	nan
Platelets	nan
Mean Platelet	nan
Volume	nan
Malaria Antigen	Reader and Washer (ELISA
3	Method)
Malaria Antigen	GBLISA-R Microplate Reader
Malaria Antigen	GBLISA-W Microplate Washer
Malaria Slide	Thick & Thin Blood Film by
	Microscopy Method
(Outsource)	nan
Glycated Haemoglobin	Clover A1c-,¢ Self
Glycated Haemoglobin	On-Call Multipro Analyzer
Malaria Antigen	Malaria ELISA Enzyme Linked
Tividiana / iniigon	Immunosorbent
Screening Test (ELISA)	Assay / ELISA Semi Automated
Corcerning Test (ELIO/t)	Instrument -"
Screening Test (ELISA)	Washer, Reader and Incubator
Corcerning Test (ELIOA)	as documented
Screening Test (ELISA)	in Q@LAB_SOP_04
Blood film for Malaria	Blood Film Malaria Parasite
Blood IIIII for Malaria	(Thick and Thin
Parasite	Film) / Giemsa Staining of Thick
T diddito	and Thin Blood
Parasite	Film as documented in Q
1 diddic	LAB_SOP_05
Cyclosporin	Immunoelectrochemiluminescenc
Усюзропп	e/Cobas e801
Cyclosporin	(6) as documented in
Усюзропп	electronically in Cobas e801
G6PD screen	Fluorescence Method/Manual as
Our Discreen	documented in G6PD
G6PD screen	SOP (GPQD/HAE/SOP-55)
Cytomegalovirus PCR	as documented in
Cytomegalovirus i Cit	GPQD/MOL/SOP-14
Mumps IgG & IgM	Chemiluminescence
Widnips 190 & 19W	Immunoassay/Diasorin XL (2)
Mumps IgG & IgM	as documented in Operator
widinps igo a igivi	Manual
Measles IgG & IgM	Chemiluminescence
INICASIES IGO & IGIVI	Immunoassay/Diasorin XL (2)
	minunuassay/Diasuilli AL (2)

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Measles IgG & IgM	as documented in Operator Manual
Varicella IgG & IgM	Chemiluminescence
Varicella 190 & 19101	Immunoassay/Diasorin XL (2)
Varicella IgG & IgM	as documented in Operator
	Manual
HBA1C	DCCT/NGSP/ Roche Cobas
	(c501, c311) as
HBA1C	documented electronically in Roche COBAS
HBA1C	LINK/Roche COBAS
Urine Pregnancy Test	UPT Test strip method as
James regrandy reac	documented in
Urine Pregnancy Test	GPQD/BI/SOP-11
HBA1C	TTAB-
	Tetradecyltrimethylammonium
	bromide
HBA1C	Turbidimetric/Cobas c501
TIBATO	documented as
HBA1C	electronically in Roche COBAS
TIBATO	LINK/COBAS 6000
HbA1C	Spectrophotometry/Cobas c311
	as documented electronically in
	Roche C311
Troponin T (POCT)	Quantitative immunological
	method as documented in Roche
	H232 (Cobas H232 Operator
	Manual)
Full Blood Count (FBC)	Fluorescence Flow Cytometry,
	Hydro Dynamic Focusing & SLS
	Hemoglobin determination /
	Sysmex XN1000 as documented
	in HSNI/PAT/HM/TPM/VER3/01
Full Blood Count (FBC)	HSNI/PAT/HM/AK/VER3/01
D-Dimer	Antigen-antibody
	interaction/Cobas H232 As
	documented in
D-Dimer	HSNI/PAT/HM/TPM/VER2/04
D-Dimer	HSNI/PAT/HM/AK/VER2/05

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Peripheral Blood Film (PBF)	Manual peripheral blood slide preparation (smearing & staining) As documented in HSNI/PAT/HM/TPM/VER3/05
Parinharal Pland Film (DPF)	HSNI/PAT/HM/AK/VER2/06
Peripheral Blood Film (PBF)	
ABO Grouping	Manual method (tube method) As documented in
	HSNI/PAT/AK/TD/31
Blood Gases	Flow through electrode sensors
blood Gases	as documented in HS/JP/WI (CP
	;07)-020 pH and Blood Gases on
	GEM PREMIER 3500
Cyclosporine	EMIT on Viva E (Siemens) as
Cyclosponiio	documented in HS/JP/WI
	(CP:07)- 014 Test on VIVA E
	(Siemens)
Everolimus	Immunoturbidimetry on Beckman
	Coulter AU5800 as documented
	in HS/JP/WI (CP;07)- 024 Test
	on Beckman Coulter AU 5800
HbA1c	HLPC on Variant II Turbo
	(Biorad) as documented in
	HS/JP/WI (CP;07)-011 HbA1c on
	Variant II Turbo (Biorad)
Tacrolimus	EMIT on Viva E (Siemens) as
	documented in HS/JP/WI
	(CP:07)- 014 Test on VIVA E
	(Siemens)
Full Blood Count	Flowcytometry Method
	Hydrodynamic Focusing method
	SLS-Hemoglobin Method.
Full Blood Count	HS/JP/WI(HM:08)-004
Erythrocyte Sedimentation Rates	Westergren Method
(ESR)	HS/JP/W1(HM:08)- 005
Full Blood Picture (FBP)	Flowcytometry and Microscopic
	Examination HS/JP/W1(HM:08)-
	011
Reticulocytes	Flowcytometry method
Reticulocytes	HS/JP/W1(HM:08)- 004
Hb Analysis	1. High Performance Liquid
	Chromatography
	HS/JP/W1(HM:08)-21 2. Capillary
	Electrophoresis
ABO and RhD Blood Grouping	Manual tube method as
	documented in Blood Bank
	Operation Procedure Manual BP020.
	DF 020.
Cross-matching	Column Agglutination Technology
Cross-matching	
Cross-matching	Column Agglutination Technology

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Direct Antiglobulin Test	Column Agglutination Technology method as documented in Blood
	Bank Procedure Manual, BP085
Full blood Count (FBC)	Cell count using Sysmex XS 500i
, ,	analyzer as documented in
	Haematology Procedure Manual
	YP036.
Full Blood Count	Method: Combination of
(5-part hematology analyser)	Impedence, SLS Hb,
(o part nomatology analysis)	Flowcytometry, and calculation
(5-part hematology analyser)	Analyser: Sysmex XN-1000
(5-part hematology analyser)	All methods and specifications as
(3-part flematology analyser)	documented in
	HTPG/JP/HEM/AK-01
(F	
(5-part hematology analyser)	Manual Differential count as
	documented in
(5-part hematology analyser)	HTPG/JP/HEM/AK-11
Reticulocyte count	Flowcytometry method Analyser:
	Sysmex XN-1000 All methods
	and specifications as
	documented in
	HTPG/JP/HEM/AK-01
Full Blood Picture	Manual blood smear and staining
	method using Leishman stain All
	methods and specifications as
	documented in
	HTPG/JP/HEM/AK-10 & AK-12
WBC?s Count	Aperture Impedance. Analyzer
1120.0 Count	Beckman Coulter DXH 800 and
	DXH 900 as documented in
WBC?s Count	SASMEC@IIUM/PALM/INT-
WDO:3 Count	W10204 SASMEC@IIUM/PALM/I
	NT-W10205
RBC?s Count	Aperture Impedance. Analyzer
RBC ?S Count	
	Beckman Coulter DXH 800 and
DD00 0 1	DXH 900 as documented in
RBC?s Count	SASMEC@IIUM/PALM/INT-
	W10204
Hemoglobin?s Count	Photometric Impedance.
	Analyzer Beckman Coulter DXH
	800 and DXH 900 as
	documented
Hemoglobin?s Count	in SASMEC@IIUM/PALM/INT-
	W10204 SASMEC@IIUM/PALM/I
	NT-W10205
Hematocrit?s Count	Photometric Impedance.
	Analyzer Beckman Coulter DXH
	800 and DXH 900 as
	documented
Hematocrit?s Count	in SASMEC@IIUM/PALM/INT-
	W10204

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Mean Corpuscular Volume?s	Aperture Impedance. Analyzer
Count	Beckman Coulter DXH 800 and
	DXH 900 as documented in
Mean Corpuscular Volume?s	SASMEC@IIUM/PALM/INT-
Count	W10204 SASMEC@IIUM/PALM/I
	NT-W10205
Mean Corpuscular Hemoglobin?s	Aperture Impedance. Analyzer
Count	Beckman Coulter DXH 800 and
	DXH 900 as documented in SAS
	MEC@IIUM/PALM/INT-W10204
	SASMEC@IIUM/PALM/INT-
_	W10205
Mean Corpuscular Hemoglobin	Aperture Impedance. Analyzer
Concentration?s Count	Beckman Coulter DXH 800 and
	DXH 900 as documented in SAS
	MEC@IIUM/PALM/INT-W10204
	SASMEC@IIUM/PALM/INT-
DD14/2 0 1	W1I0205
RDW?s Count	Aperture Impedance. Analyzer
	Beckman Coulter DXH 800 and
DDW0- Count	DXH 900 as documented in
RDW?s Count	SASMEC@IIUM/PALM/INT-
	W10204 SASMEC@IIUM/PALM/I
Platelet?s Count	NT-W110205
Platelet?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and
	DXH 900 as documented in
Platelet?s Count	SASMEC@IIUM/PALM/INT-
l latelet : 3 Count	W10204 SASMEC@IIUM/PALM/I
	NT-W10205
Neutrophils?s Count	Aperture Impedance. Analyzer
	Beckman Coulter DXH 800 and
	DXH 900 as documented in
Neutrophils?s Count	SASMEC@IIUM/PALM/INT-
	W10204 SASMEC@IIUM/PALM/I
	NT-W10205
Lymphocytes?s Count	VCSn Analysis. Analyzer
-	Beckman Coulter DXH 800 and
	DXH 900 as documented in
Lymphocytes?s Count	SASMEC@IIUM/PALM/INT-
	W10204
Monocytes?s Count	VCSn Analysis. Analyzer
	Beckman Coulter DXH 800 and
	DXH 900 as documented in
Monocytes?s Count	SASMEC@IIUM/PALM/INT-
	W10204 SASMEC@IIUM/PALM/I
	NT-W10205
Eosinophil?s Count	VCSn Analysis. Analyzer
	Beckman Coulter DXH 800 and
	DXH 900 as documented in
·	

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Eosinophil?s Count Basophils?s Count Basophils?s Count Basophils?s Count CVCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10205 NE# Count CVCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NE# Count CVCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NE# Count CVCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NE# Count CVCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NF-W10204 NT-W10205 MO# Count CVCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in MO# Count CVCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10205 BA# Count SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10205 Nucleated Red Blood Cell?s Count SASMEC@IIUM/PALM/INT- W10206 Nucleated Red Blood Cell?s Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in Nucleated Red Blood Cell?s Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count SASMEC@IIUM/PALM/INT- W10204 VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count CVCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count SASMEC@IIUM/PALM/INT- W10204 VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in		
Basophils?s Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10205 NE# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NE# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NE# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NE# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NF# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NF# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NF# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10205 EO# Count SASMEC@IIUM/PALM/INT- W10205 BA# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10205 Nucleated Red Blood Cell?s VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and	Eosinophil?s Count	SASMEC@IIUM/PALM/INT-
Beckman Coulter DXH 800 and DXH 900 as documented in		
DXH 900 as documented in	Basophils?s Count	
Basophils?s Count SASMEC@IIUM/PALM/INT-W10205 NE# Count NUMP ALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10205 Nucleated Red Blood Cell?s Count Nucleated Red Blood Cell?s Nucleat		Beckman Coulter DXH 800 and
NE# Count NU# Count NE# Count NU# Count NE# Count NU# Count		DXH 900 as documented in
NT-W10205	Basophils?s Count	SASMEC@IIUM/PALM/INT-
NE# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in SASMEC@IIUM/PALM/INT- W10204 LY# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10205 SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10205 EO# Count EO# Count SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10205 SASMEC@IIUM/PALM/INT- W10205 SASMEC@IIUM/PALM/INT- W10206 SASMEC@IIUM/PALM/INT- W10205 VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in BA# Count SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/INT- W10205 VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in Nucleated Red Blood Cell?s Count SASMEC@IIUM/PALM/INT- W10205 VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in Nucleated Red Blood Cell?s SASMEC@IIUM/PALM/INT- W10205 NRBC# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count SASMEC@IIUM/PALM/INT- W10205 VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in NRBC# Count VCSn Analysis. Analyzer Beckman Coulter DXH 800 and	-	W10204 SASMEC@IIUM/PALM/I
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Haemoglobin Testing System User?s Manual Capillary?s electrophoresis (CE) method as documented in SASMEC@IIUM/PALM/HAE- WP02 SASMEC@IIUM/PALM/HAE- WI0202/ Sebia Capillarys 2 Flex Piercing User?s Manual Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE- Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE- WI10101/ Haematology Slide Stainer Cytocentrifuge User's		SASMEC@IIUM/PALM/HAE-
User?s Manual Capillary?s electrophoresis (CE) MbA2, HbF, Hb variant) Capillary?s electrophoresis (CE) method as documented in SASMEC@IIUM/PALM/HAE- WP02 SASMEC@IIUM/PALM/HAE- WI0202/ Sebia Capillarys 2 Flex Piercing User?s Manual Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE- Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE- WI10101/ Haematology Slide Stainer Cytocentrifuge User's		WI10203/ BioRad Variant II
Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Capillary?s electrophoresis (CE) method as documented in SASMEC@IIUM/PALM/HAE-WP02 SASMEC@IIUM/PALM/HAE-WI0202/ Sebia Capillarys 2 Flex Piercing User?s Manual Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE-Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE-WI10101/ Haematology Slide Stainer Cytocentrifuge User's		Haemoglobin Testing System
method as documented in SASMEC@IIUM/PALM/HAE-WP02 SASMEC@IIUM/PALM/HAE-WI0202/ Sebia Capillarys 2 Flex Piercing User?s Manual Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE-Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE-WI10101/ Haematology Slide Stainer Cytocentrifuge User's		User?s Manual
SASMEC@IIUM/PALM/HAE-WP02 SASMEC@IIUM/PALM/HAE-WI0202/ Sebia Capillarys 2 Flex Piercing User?s Manual Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE-Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE-WI10101/ Haematology Slide Stainer Cytocentrifuge User's	Haemoglobin analysis (HbA,	Capillary?s electrophoresis (CE)
WP02 SASMEC@IIUM/PALM/HAE-WI0202/ Sebia Capillarys 2 Flex Piercing User?s Manual Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE-Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE-WI10101/ Haematology Slide Stainer Cytocentrifuge User's	HbA2, HbF, Hb variant)	method as documented in
SASMEC@IIUM/PALM/HAE-WI0202/ Sebia Capillarys 2 Flex Piercing User?s Manual Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE-Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE-WI10101/ Haematology Slide Stainer Cytocentrifuge User's	·	SASMEC@IIUM/PALM/HAE-
WI0202/ Sebia Capillarys 2 Flex Piercing User?s Manual Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE- Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE- WI10101/ Haematology Slide Stainer Cytocentrifuge User's		WP02
Piercing User?s Manual Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE- Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE- WI10101/ Haematology Slide Stainer Cytocentrifuge User's		SASMEC@IIUM/PALM/HAE-
Piercing User?s Manual Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE- Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE- WI10101/ Haematology Slide Stainer Cytocentrifuge User's		WI0202/ Sebia Capillarys 2 Flex
Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE-WI10101/ Haematology Slide Stainer Cytocentrifuge User's		
Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE- Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE-WI10101/ Haematology Slide Stainer Cytocentrifuge User's	Haemoglobin analysis (HbA,	Hb H inclusion bodies
Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Haemoglobin analysis (HbA, Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE-Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE-WI10101/ Haematology Slide Stainer Cytocentrifuge User's	HbA2, HbF, Hb variant)	
in SASMEC@IIUM/PALM/HAE- Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE- WI10101/ Haematology Slide Stainer Cytocentrifuge User's		Specimen preparation and
Haemoglobin analysis (HbA, HbA2, HbF, Hb variant) Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE- WI10101/ Haematology Slide Stainer Cytocentrifuge User's	HbA2, HbF, Hb variant)	staining (manual) as documented
HbA2, HbF, Hb variant) preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE- WI10101/ Haematology Slide Stainer Cytocentrifuge User's		in SASMEC@IIUM/PALM/HAE-
(Automated) as documented in SASMEC@IIUM/PALM/HAE-WI10101/ Haematology Slide Stainer Cytocentrifuge User's	Haemoglobin analysis (HbA,	Blood cell morphology; Slide
SASMEC@IIUM/PALM/HAE- WI10101/ Haematology Slide Stainer Cytocentrifuge User's	HbA2, HbF, Hb variant)	preparation and routine staining:
WI10101/ Haematology Slide Stainer Cytocentrifuge User's		(Automated) as documented in
Stainer Cytocentrifuge User's		SASMEC@IIUM/PALM/HAE-
Stainer Cytocentrifuge User's		WI10101/ Haematology Slide
Manual		
		Manual

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SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Serum / Plasma	RPR	Carbon Antigen (by Plasmatec)
Serum / Flasma	KFK	method / Rotator as documented
	News	in JSS/WI.03/1.06;
	None	Index: 6.0
	TPHA	Treponema Pallidum
		Haemagglutination (by
	None	Veda Lab) method as
		documented in
	None	JSS/WI.03/1.07; Index: 7.0
	HBsAG Screening	ELISA method / Incubator 37 °C,
		Microplate
	None	washer and Reader as
	1.161.16	documented in
	None	JSS/WI.03/1.04; Index: 4.0
		ELISA method / Incubator 37 °C,
	Anti-HIV 1&2 Screening	Microplate
	None	washer and Reader as
		documented in
	None	JSS/WI.03/1.05; Index: 5.0
	RPR Testing for Syphilis	RPR test method (Qualitative
	Testing for Gyprinis	Detection) /
	RPR Testing for Syphilis	Carbon Antigen for RPR Testing
	RPK resulty for Syprillis	_
	DDD T (' (0 1'''	on RPR card
	RPR Testing for Syphilis	and Rotator by manual method
		as Documented
	RPR Testing for Syphilis	in NML_SOP_06
	Treponema Pallidum	Heamagglutination Assay - on Microtittre Plate /
	Hemagglutination Assay	Detection of antibodies to
		Treponema Pallidum
	(TPHA) Test	using heamagglutination
	(1111)() 1001	technique & Visual
	(TPHA) Test	Observation as Documented in
	(TETIA) Test	NUL_SOP_07
	HIV 1 and 2 Antibody	Enzyme Linked Immunosorbent Assay / ELISA
	Screening Test	Semi Automated Instrument -
		Washer, Reader
	Screening Test	and Incubator as Documented in NUL_SOP_03
	Hepatitis B Surface	Enzyme Linked Immunosorbent Assay / ELISA
	Antigen Screening Test	Semi Automated Instrument - Washer, Reader
	Antigen Screening Test	and Incubator as Documented in NUL_SOP_02

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RPR	Lorne RPR Carbon Antigen
	Based on
None	qualitative and semi-quantitative
	as
None	documented in (MTM
TPHA	Vedalab TPHA kits based
	Passive
None	Haemagglutination Method as
	Documented
None	in (MTM 09B)
HBs Antigen	Wantai ELISA as Documented in
J	(MTM 03)
HIV	Wantai ÉLISA as Documented in
	(MTM 02)
C3	Immunoturbidimetric / Abbott
	Alinity C Analyzer
C3	Document Quality
	HSBAS/PAT/INT/TPM/29
C4	Immunoturbidimetric / Abbott
	Alinity C Analyzer
C4	Document Quality
	HSBAS/PAT/INT/TPM/29
Transferin	IMMUNOTURBIDIMETRIC /
Transisini	Abbott Alinity C
Transferin	Analyzer
Transferin	Document Quality
Transienin	HSBAS/PAT/INT/TPM/29
FT3	MMUNOCHEMILUMINOMETRIC
13	/ Abbott Alinity Analyzer
FT3	Document Quality
13	HSBAS/PAT/INT/TPM/29
LH	MMUNOCHEMILUMINOMETRIC
	/ Abbott Alinity Analyzer
LH	Document Quality
	HSBAS/PAT/INT/TPM/29
FSH	IMMUNOCHEMILUMINOMETRI
ГЭП	
TOLI	C / Abbott Alinity Analyzer Document Quality
FSH	HSBAS/PAT/INT/TPM/29
Droloctic	IMMUNOCHEMILUMINOMETRI
Prolactin	
Dualactic	C / Abbott Alinity Analyzer
Prolactin	Document Quality
	HSBAS/PAT/INT/TPM/29
Testosterone	IMMUNOCHEMILUMINOMETRI
	C / Abbott Alinity Analyzer
Testosterone	Document Quality
	HSBAS/PAT/INT/TPM/29
Folate	IMMUNOCHEMILUMINOMETRI
	C / Abbott Alinity Analyzer
Folate	Document Quality
	HSBAS/PAT/INT/TPM/29

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BHCG	MMUNOCHEMILUMINOMETRIC
	/ Abbott Alinity Analyzer
BHCG	Document Quality
	HSBAS/PAT/INT/TPM/29
CA 19-9	IMMUNOCHEMILUMINOMETRI
	C / Abbott Alinity Analyzer
CA 19-9	Document Quality
	HSBAS/PAT/INT/TPM/29
CA125	IMMUNOCHEMILUMINOMETRI
	C / Abbott Alinity Analyzer
CA125	Document Quality
3.7.	HSBAS/PAT/INT/TPM/29
CEA	IMMUNOCHEMILUMINOMETRI
027.	C / Abbott Alinity Analyzer
CEA	Document Quality
OL/ (HSBAS/PAT/INT/TPM/29
CKMB	MMUNOCHEMILUMINOMETRIC
CITIVID	/ Abbott Alinity Analyzer
CKMB	Document Quality
CKIVID	HSBAS/PAT/INT/TPM/29
Procalcitonin	MMUNOCHEMILUMINOMETRIC
Procalcitoriin	
Dragalaitania	/ Abbott Alinity Analyzer
Procalcitonin	Document Quality
<u> </u>	HSBAS/PAT/INT/TPM/29
Trop i	MMUNOCHEMILUMINOMETRIC
<u> </u>	/ Abbott Alinity Analyzer
Trop i	Document Quality
	HSBAS/PAT/INT/TPM/29
Glucose	Hexokinase method by Siemens
	Dimension Xpand
Glucose	Plus Chemistry Analyzer as
	documented in
Glucose	MKAKB/BP/BCM/SOP-22
	Determination of Routine
Glucose	Chemistry Tests on Siemens
	Dimension Xpand
Albumin	Method: Bromcresol Green
	(BCG)
Albumin	Machine: Beckman Coulter
	AU480
Albumin	Procedures are as documented
	in
Albumin	MV-SOP-CP-01
Alkaline Phosphatase (ALP)	Method: PNPP, AMP Buffer
Alkaline Phosphatase (ALP)	Machine: Beckman Coulter
	AU480
Alkaline Phosphatase (ALP)	Procedures are as documented
	in
Alkaline Phosphatase (ALP)	MV-SOP-CP-01
Alanine aminotransferase (ALT)	Method: UV without P5P
,	

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Alanine aminotransferase (ALT)	Machine: Beckman Coulter AU480
Alanine aminotransferase (ALT)	Procedures are as documented in
Alanine aminotransferase (ALT)	MV-SOP-CP-01
Calcium	Method: Arsenazo III
Calcium	Machine: Beckman Coulter
	AU480
Calcium	Procedures are as documented in
Calcium	MV-SOP-CP-01
Aspartate amino-transferase	Method: UV without P5P
(AST)	Machine: Beckman Coulter AU480
(AST)	Procedures are as documented in
(AST)	MV-SOP-CP-01
Bilirubin Total	Method: DPD
Bilirubin Total	Machine: Beckman Coulter AU480
Bilirubin Total	Procedures are as documented
	in
Bilirubin Total	MV-SOP-CP-01
Chloride	Method: ISE indirect
Chloride	Machine: Beckman Coulter AU480
Chloride	Procedures are as documented in
Chloride	MV-SOP-CP-01
Cholesterol-Total	Method: Cholesterol oxidase,
Cholesterol-Total	esterase, peroxidase
Cholesterol-Total	Machine: Beckman Coulter AU480
Cholesterol-Total	Procedures are as documented in
Cholesterol-Total	MV-SOP-CP-01
Cholesterol-HDL	Method: Direct measure,
Cholesterol-HDL	immunoinhibition
Cholesterol-HDL	Machine: Beckman Coulter AU480
Cholesterol-HDL	Procedures are as documented in
Cholesterol-HDL	MV-SOP-CP-01
Creatinine	Method: Alkaline picrate method,
Creatinine	IFCC-IDMS Standardized (Method A)
Creatinine	Machine: Beckman Coulter
Creatinine	AU480 Procedures are as documented
	in
Creatinine	MV-SOP-CP-01

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G-Glutamyltransferase	Method: G-Glutamyl-
G-Glutamyltransferase	carboxyOnitroanilide-IFCC
G-Glutamyltransferase	Ref.Proc.Calibrated
G-Glutamyltransferase	Machine: Beckman Coulter
	AU480
G-Glutamyltransferase	Procedures are as documented
	in
G-Glutamyltransferase	MV-SOP-CP-01
Glucose	Method: Hexokinase
Glucose	Machine: Beckman Coulter
	AU480
Glucose	Procedures are as documented
	in
Glucose	MV-SOP-CP-01
Iron	Method: TPTZ-no
	deproteinization
Iron	Machine: Beckman Coulter
•	AU480
Iron	Procedures are as documented
1	in No. COD CD CA
Iron	MV-SOP-CP-01
Potassium	Method: ISE indirect
Potassium	Machine: Beckman Coulter
Datassium	AU480
Potassium	Procedures are as documented
Potassium	in MV-SOP-CP-01
Protein (Total)	Method: Biuret method
Protein (Total)	Machine: Beckman Coulter
1 Totelli (Total)	AU480
Protein (Total)	Procedures are as documented
(1000)	in
Protein (Total)	MV-SOP-CP-01
Phosphorus	Method: Phosphomolybdate
Phosphorus	Machine: Beckman Coulter
	AU480
Phosphorus	Procedures are as documented
-	in
Phosphorus	MV-SOP-CP-01
Sodium	Method: ISE indirect
Sodium	Machine: Beckman Coulter
	AU480
Sodium	Procedures are as documented
	in
Sodium	MV-SOP-CP-01
Triglyceride	Method: Enzymatic, end point
Triglyceride	Machine: Beckman Coulter
	AU480
Triglyceride	Procedures are as documented
	in No con con con
Triglyceride	MV-SOP-CP-01
<u> </u>	

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UIBC	Method: Nitroso-PSAP
UIBC	Machine: Beckman Coulter
CIDO	AU480
UIBC	Procedures are as documented
0.20	in
UIBC	MV-SOP-CP-01
Urea	Method: Urease, UV
Urea	Machine: Beckman Coulter
0.00	AU480
Urea	Procedures are as documented
	in
Urea	MV-SOP-CP-01
Uric Acid	Method: Uricase, colorimetric
Uric Acid	Machine: Beckman Coulter
	AU480
Uric Acid	Procedures are as documented
	in
Uric Acid	MV-SOP-CP-01
Syphilis Screening (RPR)	Rapid Plasma Reagin as
	documented in
Syphilis Screening (RPR)	MV-SOP-MIC-01
Hepatitis B Surface Antigen	Paramagnetic particle
	Chemiluminescent
Hepatitis B Surface Antigen	immunoassay as documented in
Hepatitis B Surface Antigen	MV-SOP-MIC-02
Syphilis Serology (TPHA)	Passive Particle Agglutination
	Assay as
Syphilis Serology (TPHA)	documented in MV-SOP-MIC-04
Screening HIV 1+2 Ab	Sandwich ELISA as documented
	in
Screening HIV 1+2 Ab	MV-SOP-MIC-05
Nucleic Acid Amplification Testing	Procleix Ultrio Elite Assay
	detection
(NAT) for:	of for HBV, HCV, HIV and
(NAT) for:	Discriminatory Assays on
	Procleix
e Hepatitis B Virus (HBV) DNA	Panther System as documented
11 111 015 110 0	in Comments of Table 1
e Hepatitis C Virus (HCV) RNA e	SYN/WI-01 Test method Procleix
Human Immunodeficiency Virus	Ultrio Elite Assay for Nucleic Acid
(HIV) RNA	Amplification Testing (NAT).
Anti-HIV 1&2	ELISA method / Incubator 37°C,
0	Microplate
Screening	washer and Reader as
Canaanina	documented in
Screening	JH/WI/02-Rev 4
HBsAG Screening	ELISA method / Incubator 37°C,
LIDa A C. Core series	Microplate
HBsAG Screening	washer and Reader as
UDo AC Coreanina	documented in
HBsAG Screening	JH/WI/03-Rev 4

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RPR	Carbon Antigen (by LORNE
	LABORATORIES
RPR	LTD.) method / Rotator as
	documented in
RPR	JH/WI/05-Rev 4
TPHA	Treponema Pallidum
	Haemagglutination (by
TPHA	Plasmatec) method as
	documented in
TPHA	JH/WI/06-Rev 4
RPR	Manual method -" agglutination
	method with
RPR	RPR Carbon Antigen as
	documented in
RPR	MTM-IH-04
TPHA	Indirect Heamagglutination test
	as
TPHA	documented in MTM-IH-05
HBsAg	HBsAg ELISA method -" Double
3	Antibody
HBsAg	Sandwich Principle as
<i>.,</i> .g	documented in
HBsAg	MTM-IH-01
HBsAg	ROBONIK Washwell plate Elisa
1120/tg	Washer
HBsAg	ROBONIK Readwell touch Elisa
1120/tg	Plate
HBsAg	Analyser
Anti-HIV 1 & 2 Screening	HIV 1+2 Antibody ELISA -"
7 that in V i a 2 corooning	Double Antigen
Anti-HIV 1 & 2 Screening	Sandwich Principle as
7 that in V i a 2 corooning	documented in
Anti-HIV 1 & 2 Screening	MTM-IH-02
Anti-HIV 1 & 2 Screening	ROBONIK Washwell plate Elisa
7 that in V i a 2 corooning	Washer
Anti-HIV 1 & 2 Screening	ROBONIK Readwell touch Elisa
7 that in V i a 2 corooning	Plate
Anti-HIV 1 & 2 Screening	Analyser
Hepatitis C Virus	Indirect Immunoenzymatic assay
Tiopanno O viras	test method on
Antibody	Access 2 Immunoassay analyzer
Antibody	(Beckman
None	Coulter) NEX/WI-S17
Hepatitis B Surface	Enzyme Immunoassay
Tiopaniis D Juliace	(-œsandwich-•) on Access
Antigen (HBsAg)	2 Immunoassay analyzer
Antigen (Hosag)	(Beckman Coulter) for
None	,
None	NEX/WI-S19
Human	Sequential two -" step
	immunoenzymatic

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Immunodeficiency	(-œsandwich-•) on Access 2
	Immunoassay
Virus Antigen /	analyzer (Beckman Coulter) for
	NEX/WI-S20
Antibody Combo (HIV	None
Ag/Ab Combo)	None
Antibody Screening	Column Agglutination Technology
	method as
None	documented in Blood Bank
	Procedure Manual
None	Chapter BP005
Alanine Transaminase	Modified Wroblewski and LaDue
	method, IFCC
(ALT)	Reference using Dimension
	Clinical Chemistry
None	System as documented in
	Biochemistry
None	Procedure Manual Chapter
	CP010
Albumin	Bromocresol Purple (BCP)
	method using
None	Dimension Clinical Chemistry
	System as
None	documented in Biochemistry
	Procedure Manual
None	Chapter CP015
Alkaline Phosphatase	Enzymatic Reaction with AMP
-	Buffer method,
(ALP)	IFCC Reference using Dimension
	Clinical
None	Chemistry System as
	documented in
None	Biochemistry Procedure Manual
	Chapter CP020
Amylase	Hydrolysis of CNPG3 method
·	using Dimension
None	Clinical Chemistry System as
	documented in
None	Biochemistry Procedure Manual
	Chapter CP025
Aspartate	Modified IFCC method using
'	Dimension Clinical
Aminotransferase	Chemistry System as
-	documented in
(AST)	Biochemistry Procedure Manual
,	Chapter CP035
Bilirubin (Total)	Diazotized Sulfanilic Acid method
	using
None	Dimension Clinical Chemistry
	System as
	o joioin do

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None	documented in Biochemistry
	Procedure Manual
None	Chapter CP135
Calcium	Cresolphthaleincomplexone
	reaction method
None	using Dimension Clinical
	Chemistry System as
None	documented in Biochemistry
	Procedure Manual
None	Chapter CP040
Chloride	Indirect Measurements from Ion
	Selective
None	Electrode method using
	Dimension Clinical
None	Chemistry System as
	documented in
None	Biochemistry Procedure Manual
110110	Chapter CP075
Cholesterol (Total)	Enzymatic Reaction method
Griefotter (Tetal)	using Dimension
None	Clinical Chemistry System as
110110	documented in
None	Biochemistry Procedure Manual
TAOTIC	Chapter CP050
Creatine Kinase MB	Modified IFCC CK Primary
Creatine Minase MD	Reference method
(CKMB)	using Dimension Clinical
(ORIVID)	Chemistry System as
None	documented in Biochemistry
TAOTIC	Procedure Manual
None	Chapter
Creatinine Kinase (CK)	IFCC Primary Reference method
Orealimic ranase (Ort)	using
None	Dimension Clinical Chemistry
None	System as
None	documented in Biochemistry
None	Procedure Manual
None	Chapter CP055
Creatinine	Modified Kinetic Jaffe Reaction
Creatifine	method using
None	Dimension Clinical Chemistry
None	System as
None	
None	documented in Biochemistry Procedure Manual
None	
	Chapter
Gamma-Glutamyl	IFCC method using Dimension
Transference (CCT)	Clinical
Transferase (GGT)	Chemistry System as
None	documented in
None	Biochemistry Procedure Manual
	Chapter CP085

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Glucose	Hexokinase method using
	Dimension Clinical
None	Chemistry System as
	documented in
None	Biochemistry Procedure Manual
	Chapter CP090
HDL Cholesterol	Elimination and Measurement by
	Trinder Action
None	method using Dimension Clinical
	Chemistry
None	System as documented in
	Biochemistry
None	Procedure Manual Chapter
	CP037
Lactate	IFCC Primary Reference method
	using
Dehydrogenase	Dimension Clinical Chemistry
	System as
None	documented in Biochemistry
	Procedure Manual
None	Chapter CP100
Phosphate (inorganic)	Modified Phosphomolybdate
i noophate (morgamo)	method using
None	Dimension Clinical Chemistry
140116	System as
None	documented in Biochemistry
None	Procedure Manual
None	
Potassium	Chapter CP125 Indirect Measurements from Ion
Potassium	Selective
Nana	
None	Electrode method using
Ness	Dimension Clinical
None	Chemistry System as
.	documented in
None	Biochemistry Procedure Manual
	Chapter CP075
Sodium	Indirect Measurements from Ion
	Selective
None	Electrode method using
	Dimension Clinical
None	Chemistry System as
	documented in
None	Biochemistry Procedure Manual
	Chapter CP075
Total Protein	Biuret Reaction method using
	Dimension
None	Clinical Chemistry System as
	documented in
None	Biochemistry Procedure Manual
	Chapter CP140

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Triglycerides Enzymatic Reaction method using Dimension None Clinical Chemistry System as documented in None Biochemistry Procedure Manual Chapter Urea Nitrogen (BUN) Urease Kinetic method using Dimension Clinical None Chemistry System as documented in None Biochemistry Procedure Manual Chapter CP150 Uricase Peroxidase method using Dimension None Clinical Chemistry System as documented in None Clinical Chemistry System as documented in None Clinical Chemistry System as documented in None Biochemistry Procedure Manual Chapter CP155 RPR Carbon Antigen Based on qualitative and RPR Semi-quantitative TPHA TPHA kits based Passive Hemagglutination TPHA Method HBs Antigen Fully Automated Immunoassay, COBAS E411 HBS Antigen GBLISA-W Microplate Reader HBS Antigen GBLISA-W Microplate Reader HIV Fully Automated Immunoassay, COBAS E411 HIV GBLISA-R Microplate Reader HIV GBLISA-R Microplate Reader HIV GBLISA-W Microplate Reader HIV GBLISA-W Microplate Reader RPR Testing for Syphilis Carbon Antigen for RPR Testing on RPR card RPR Testing for Syphilis Carbon Antigen for RPR Testing on RPR card RPR Testing for Syphilis Carbon Antigen for RPR Testing on RPR card RPR Testing for Syphilis Carbon Antigen for RPR Testing on RPR card RPR Testing for Syphilis Carbon Antigen for RPR Testing on RPR card RPR Testing for Syphilis in QLAB_SOP_06 Hemagglutination Assay -" on Microtittre Plate / Hemagglutination as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent As		
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COBAS E411 HIV GBLISA-R Microplate Reader HIV GBLISA-W Microplate Washer RPR Testing for Syphilis RPR test method (Qualitative Detection) / RPR Testing for Syphilis Carbon Antigen for RPR Testing on RPR card RPR Testing for Syphilis and Rotator by manual method as documented RPR Testing for Syphilis in QLAB_SOP_06 Treponema Pallidum Hemagglutination Assay -" on Microtittre Plate / Hemagglutination Assay Detection of antibodies to Treponema Pallidum (TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	•	
HIV GBLISA-R Microplate Reader HIV GBLISA-W Microplate Washer RPR Testing for Syphilis RPR test method (Qualitative Detection) / RPR Testing for Syphilis Carbon Antigen for RPR Testing on RPR card RPR Testing for Syphilis and Rotator by manual method as documented RPR Testing for Syphilis in QLAB_SOP_06 Treponema Pallidum Hemagglutination Assay -" on Microtittre Plate / Hemagglutination Assay Detection of antibodies to Treponema Pallidum (TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"		
HIV GBLISA-W Microplate Washer RPR Testing for Syphilis RPR test method (Qualitative Detection) / RPR Testing for Syphilis Carbon Antigen for RPR Testing on RPR card RPR Testing for Syphilis and Rotator by manual method as documented in QLAB_SOP_06 Treponema Pallidum Hemagglutination Assay -" on Microtittre Plate / Hemagglutination Assay Detection of antibodies to Treponema Pallidum (TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	HIV	
RPR Testing for Syphilis RPR test method (Qualitative Detection) / RPR Testing for Syphilis In QLAB_SOP_06 Hemagglutination Assay -" on Microtittre Plate / Hemagglutination Assay Detection of antibodies to Treponema Pallidum (TPHA) Test Using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"		•
Detection) / RPR Testing for Syphilis Carbon Antigen for RPR Testing on RPR card RPR Testing for Syphilis and Rotator by manual method as documented RPR Testing for Syphilis in QLAB_SOP_06 Treponema Pallidum Hemagglutination Assay -" on Microtittre Plate / Hemagglutination Assay Detection of antibodies to Treponema Pallidum (TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"		·
RPR Testing for Syphilis In QLAB_SOP_06 Treponema Pallidum Hemagglutination Assay -" on Microtittre Plate / Hemagglutination Assay Detection of antibodies to Treponema Pallidum (TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	Transfer Syptims	,
on RPR card RPR Testing for Syphilis and Rotator by manual method as documented RPR Testing for Syphilis in QLAB_SOP_06 Treponema Pallidum Hemagglutination Assay -" on Microtittre Plate / Hemagglutination Assay Detection of antibodies to Treponema Pallidum (TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	RPR Testing for Synhilis	
RPR Testing for Syphilis RPR Testing for Syphilis RPR Testing for Syphilis in QLAB_SOP_06 Hemagglutination Assay -" on Microtittre Plate / Hemagglutination Assay Detection of antibodies to Treponema Pallidum (TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	Tri Tri Testing for Gyptims	
as documented RPR Testing for Syphilis in QLAB_SOP_06 Treponema Pallidum Hemagglutination Assay -" on Microtittre Plate / Hemagglutination Assay Detection of antibodies to Treponema Pallidum (TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	RPR Testing for Synhilis	
RPR Testing for Syphilis in QLAB_SOP_06 Treponema Pallidum Hemagglutination Assay -" on Microtittre Plate / Hemagglutination Assay Detection of antibodies to Treponema Pallidum (TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	Tri Tri Testing for Gyprinis	-
Treponema Pallidum Hemagglutination Assay -" on Microtittre Plate / Detection of antibodies to Treponema Pallidum (TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	RPR Testing for Synhilis	
Microtittre Plate / Hemagglutination Assay Detection of antibodies to Treponema Pallidum (TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"		
Hemagglutination Assay Detection of antibodies to Treponema Pallidum (TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	Treponema i amaum	,
Treponema Pallidum (TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	Hemagalutination Assay	
(TPHA) Test using hemagglutination technique & Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	Tiernaggiatination Assay	
& Visual (TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	(TDHA) Tost	
(TPHA) Test Observation as documented in Q LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	(IFIIA) Test	
LAB_SOP_07 HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	(TDHA) Toot	
HIV 1 and 2 Antibody Enzyme Linked Immunosorbent Assay / ELISA Screening Test Semi Automated Instrument -"	(TETIA) TEST	
Assay / ELISA Screening Test Semi Automated Instrument -"	UIV 1 and 2 Antibody	
Screening Test Semi Automated Instrument -"	mrv i and 2 Antibody	
	Saraaning Toot	
wasner, keader	Screening rest	
<u> </u>		wasner, Reader

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Screening Test	and Incubator as documented in
	Q
Screening Test	LAB_SOP_03
Hepatitis B Surface	Enzyme Linked Immunosorbent Assay / ELISA
Antigen Screening Test	Semi Automated Instrument -" Washer, Reader
Antigen Screening Test	and Incubator as documented in Q
Antigen Screening Test	LAB_SOP_02
HIV Ag / Ab	Immunoelectrochemiluminescenc e/Cobas e801 (6)
HIV Ag / Ab	as documented electronically in Roche Cobas
HIV Ag / Ab	LINK/Cobas e801
Reagin Antibodies	Immunoturbidimetric/Cobas e801 (6) as
Reagin Antibodies	documented electronically in Roche Cobas
Reagin Antibodies	LINK/Cobas C501
Hepatitis C antibody	Immunoelectrochemiluminescenc
,	e/Cobas e801 (6)
Hepatitis C antibody	as documented electronically in
·	Roche Cobas
Hepatitis C antibody	LINK/Cobas c501
Treponema pallidum	Immune
	Electrochemiluminescence/Coba s e801 (6)
antibodies	as documented in electronically in Roche Cobas
antibodies	LINK/Cobas e801/ Manual Passive Particle
antibodies	Agglutination assay as
	documented in TPPA
antibodies	(GPQD/SER/SOP-12)
EBV IgG VCA	Chemiluminescence
	Immunoassay/Diasorin XL (2)
Antibody	as documented in Operator Manual
EBV IgM VCA	Chemiluminescence Immunoassay/Diasorin XL (2)
Antibody	as documented in Operator Manual
EBV IgA EA Antibody	ELISA/Euroimmnue (1) as
	documented in EBV EA
EBV IgA EA Antibody	IgA (GPQD/SER/SOP-10)
EBV IgA VCA	Chemiluminescence/SNIBE
	Maglumi 1000 (2) as
Antibody	documented in EBV VCA IgA (GPQD/SER/SOP-8)

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Hepatitis B virus	Immunoelectrochemiluminescenc
	e/Cobas e801 (6)
eAntigen and /	as documented electronically in
	Roche Cobas LINK/
eAntibody	Cobas e801
	Immunoelectrochemiluminescenc
	e/Cobas e801 (6)
	as documented electronically in
•	Roche Cobas LINK/
IgG (Cobas e801
	Chemiluminescence
	Immunoassay/Diasorin XL (2)
	as documented in Operator
	Manual
	Immunoelectrochemiluminescenc
, , , ,	e/Cobas e801 (6)
	as documented electronically in
_	Roche Cobas LINK/
	Cobas e801
	Chemiluminescence
	Immunoassay/Diasorin XL (2)
	as documented in Operator
	Manual
	nan
(1) (1) (1)	nan
	Passive Particle
, ,	agglutination/Manual assay as
	documented in MYC AB
, , ,	(GPQD/SER/SOP-16)
	Immunoelectrochemiluminescenc
	e/Cobas e801 (6)
	as documented in electronically
_	in Roche Cobas
	LINK/Cobas e801
	Chemiluminescence, HITACHI
	CLA-1 (1) as
	documented in MAP Allergy
	(GPQD/SER/SOP-17)
	Immunoelectrochemiluminescenc
	e Cobas e801(6) as
·	documented in electronically in Roche Cobas LINK/
	Cobas e801
,	
_ , _	Rapid Chromatographic
	Immunoassay/Manual as
, , ,	documented in CKM Ab
	(GPQD/SER/SOP-7)
	mmunoelectrochemiluminescenc
	e/Cobas e801 (6) as
_	documented in electronically in
	Roche Cobas LINK/

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Anti HBc IgM	Cobas e801
Anti HBc Total	mmunoelectrochemiluminescenc e/Cobas e801 (6) as
Anti HBc Total	documented in electronically in
Anti libe lotai	Roche Cobas LINK/
Anti HBc Total	Cobas e801
Anti HBs	mmunoelectrochemiluminescenc
	e/Cobas e801 (6) as
Anti HBs	documented in electronically in
	Roche Cobas LINK/
Anti HBs	Cobas e801
HbsAg	mmunoelectrochemiluminescenc e/Cobas e801 (6) as
HbsAg	documented in electronically in Roche Cobas
HbsAg	LINK/Cobas e801
Rubella IgG	Immunoelectrochemiluminescenc
<u>-</u>	e/Cobas e801(6) as
Rubella IgG	documented in electronically in
	Roche Cobas LINK/
Rubella IgG	Cobas e801
Rubella IgM	mmunoelectrochemiluminescenc e/e801 (6) as
Rubella IgM	documented in electronically in Roche Cobas LINK/
Rubella IgM	Cobas e801
Toxoplasma IgG	mmunoelectrochemiluminescenc
	e/Cobas e801 (6)
Toxoplasma IgG	as documented in electronically
	in Roche Cobas
Toxoplasma IgG	LINK/ Cobas e801
Toxoplasma IgM	mmunoelectrochemiluminescenc e/Cobas e801 (6) as
Toxoplasma IgM	documented in electronically in Roche Cobas LINK/
Toxoplasma IgM	Cobas e801
Anti - HAV IgG	mmunoelectrochemiluminescenc
	e/Cobas e801 (6) as
Anti - HAV IgG	documented in electronically in
	Roche Cobas LINK/
Anti - HAV IgG	Cobas e801
Anti HAV IgM	mmunoelectrochemiluminescenc e/Cobas e801 (6) as
Anti HAV IgM	documented in electronically in Roche Cobas LINK/
Anti HAV IgM	Cobas e801
Anti HCV	mmunoelectrochemiluminescenc
	e as documented in
Anti HCV	electronically in Roche Cobas LINK/Cobas e801 (6)

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HIV Ag/Ab Combo	Chemiluminescent microparticle
	immunoassay
HIV Ag/Ab Combo	(CMIA) method/ Abbott Architect (1) as documented in
HIV Ag/Ab Combo	Architect Manual / HIV
Helicobacter Pylori IgG	Chemiluminescent microparticle immunoassay
Helicobacter Pylori IgG	(CMIA)/Diasorin Liaison (2) method as documented
Haliaahaatan Dulani InC	
Helicobacter Pylori IgG	electronically in kit insert.
AFP	Immunoelectrochemiluminescenc e/Cobas e411 as
AFP	documented electronically in Roche Cobas LINK/
AFP	Cobas e411
CEA	Immunoelectrochemiluminescenc
	e/Cobas e411 as
CEA	documented electronically in
	Roche Cobas LINK/
CEA	Cobas e411
PSA - Total	Immunoelectrochemiluminescenc
	e/Cobas e411 as
PSA - Total	documented electronically in
	Roche COBAS
PSA - Total	LINK/COBAS e411
Free T3	Immunoelectrochemiluminescenc
	e/Cobas e411 as
Free T3	documented electronically in
	Roche COBAS
Free T3	LINK/COBAS e411
Free T4	Immunoelectrochemiluminescenc e/Cobas e144 as
Free T4	documented electronically in
	Roche COBAS
Free T4	LINK/e411
TSH	Immunoelectrochemiluminescenc
	e/Cobas e411 as
TSH	documented electronically in
	Roche COBAS
TSH	LINK/COBAS e411
Total HCG	Immunoelectrochemiluminescenc
	e/Cobas e411 as
Total HCG	documented electronically in
	Roche COBAS
Total HCG	LINK/COBAS e411
Alanine	Colourimetry - Tris Buffer (IFCC w/o pyridoxal
Aminotransferase	phosphate)/Cobas c311 as
Allillottalistelase	documented
Aminotransferase	electronically in Roche COBAS
Aminonansierase	LINK/COBAS c311

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Albumin	Colourimetry - Tris Buffer (IFCC
	w/o pyridoxal
Albumin	phosphate)/Cobas c311 as
	documented
Albumin	electronically in Roche COBAS
	LINK/COBAS c311
Alkaline Phosphatase-	Colourimetry - AMP Buffer - Rate
	(IFCC)/Cobas
AMP	c311 as documented
	electronically in Roche
AMP	COBAS LINK/COBAS c311
Aspartate	Colourimetry - Tris Buffer (IFCC
Aspanate	w/o pyridoxal
Aminotransferase	
Aminotransierase	phosphate)/Cobas c311 as
A	documented
Aminotransferase	electronically in Roche COBAS
	LINK/COBAS c311
Bilirubin-Total	Colourimetry -" Diazonium Salt as
	documented
Bilirubin-Total	electronically in Roche COBAS
	LINK/COBAS c311
Direct Bilirubin	Colourimetry - Diazo as
	documented electronically
Direct Bilirubin	in Roche COBAS LINK/COBAS
2.1.00t 2.111 d2.11	c311
Gamma G	Colourimetric - g - glutamyl - 3 -
Samina S	carboxy -"
Gamma G	nitro/Cobas c311 as documented
Gamina G	
Gamma G	electronically in
Gamma G	Roche COBAS LINK/COBAS
T. 15	c311
Total Protein	Colourimetry -" Biuret/Cobas
	c311 as documented
Total Protein	electronically in Roche COBAS
	LINK/COBAS c311
Cholesterol	Colourimetry - Cholesterol
	Oxidase /
Cholesterol	Peroxidase/Cobas c311 as
	documented
Cholesterol	electronically in Roche COBAS
	LINK/COBAS c311
HDL Cholesterol	Colourimetry - Non sep
	DxSo4/PEG mod
HDL Cholesterol	enzymes/Cobas c311 as
TIDE OTTOIOSTOTO	electronically in Roche
HDL Cholesterol	COBAS LINK/COBAS 6000/c311
Triglycerides	Colourimetry -" Lipase / Glycerol
T2.1 2.1	kinase / GPO-
	PAP/Cobas c311 as documented
Triglycerides	
Triglycerides	electronically in

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Triglycerides	Roche COBAS LINK/COBAS c311
Creatinine	Colourimetry - Alkaline Picrate -"
	Jaffe/Cobas c311
Creatinine	as documented electronically in
	Roche COBAS
Creatinine	LINK/COBAS c311
Calcium	Colourimetry - BAPTA/Cobas
	c311 as documented
Calcium	electronically in Roche COBAS
	LINK/COBAS c311
Uric Acid	Colourimetry -" Enzymatic
	(Uricase)/Cobas c311 as
Uric Acid	documented electronically in
Ono Aoid	Roche COBAS
Uric Acid	LINK/COBAS c311
Sodium	Indirect ISE/Cobas c311 as
Couluiti	documented
Sodium	electronically in Roche COBAS
Joululli	LINK/COBAS c311
O	
Sodium	as documented in Advia 2400
	Manual / Sodium
Potassium	Indirect ISE/Cobas c311 as
	documented
Potassium	electronically in Roche COBAS
	LINK/COBAS c311
Chloride	Indirect ISE/Cobas c311 as
	documented
Chloride	electronically in Roche COBAS
	LINK/COBAS c311
CKMB	Immunological UV liquid/Cobas
	c311 documented
CKMB	electronically in Roche COBAS
	LINK/COBAS c311
Creatine Kinase	Colourimetry - NAC
	Activator/Imidozole
Creatine Kinase	Buffer/Cobas c311 as
	electronically in Roche
Creatine Kinase	COBAS LINK/COBAS c311
Lactate	Colourimetric -" Rate to P/Cobas
	c311 as
Lactate	documented electronically in
	Roche COBAS
Lactate	LINK/COBAS c311
Dehydrogenase	Colourimetry -p-Nitrophenyl
2 3.1y di Ogoridoo	(IFCC)/Cobas c311 as
Dehydrogenase	documented electronically in
Denyurugenase	Roche COBAS
Dobudrogonosa	
Dehydrogenase	LINK/COBAS c311
Amylase	Immunoturbidimetric/Cobas c311
	as documented

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Amylase	electronically in Roche COBAS LINK/COBAS c311
Rheumatoid Factor	Colourimetry - FerroZine without
Rheumatoid Factor	deproteinization/Conas c311 as
Tarioumatora Factor	documented
Rheumatoid Factor	electronically in Roche COBAS
Tanodinatora Factor	LINK/COBAS c311
Anti HBs	Immunoelectrochemiluminescenc
7 (11.1 11.20)	e/Cobas e601 as
Anti HBs	documented electronically in
	Roche COBAS
Anti HBs	LINK/COBAS e601
HbsAg	Immunoelectrochemiluminescenc
	e/Cobas e601 as
HbsAg	documented electronically in
	Roche COBAS
HbsAg	LINK/COBAS e601
HIV Ag/Ab Combo	Immunoelectrochemiluminescenc
	e/Cobas e601 as
(cHIV)	documented electronically in
(6.11.7)	Roche COBAS
(cHIV)	LINK/COBAS e601
Anti HCV	Immunoelectrochemiluminescenc
	e/Cobas e601 as
Anti HCV	documented electronically in
	Roche COBAS
Anti HCV	LINK/COBAS e601
Anti -" HAV Total	Immunoelectrochemiluminescenc
	e/Cobas e601 as
Anti -" HAV Total	documented electronically in
	Roche COBAS
Anti -" HAV Total	LINK/COBAS e601
Infectious	nan
Mononucleosis	Particle agglutination/manual as
	documented in
Mononucleosis	GPQD/HAE/SOP-24
Dengue Ab IgG/IgM	nan
Dengue Ab IgG/IgM	Florence Immunoassay/F200 as
	documented in
Dengue Ab IgG/IgM	GPQD/HAE/SOP-30
Dengue NS1	nan
Dengue NS1	Florence Immunoassay/F200 as
_	documented in
Dengue NS1	GPQD/HAE/SOP-29
Reagin Antibodies	nan
Reagin Antibodies	Immunoturbidimetric as
-	documented electronically in
Reagin Antibodies	Roche COBAS LINK/COBAS
-	6000
Reagin Antibodies	Flocculation RPR Carbon antigen

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GPQD/MIC/SOP-15
Immunoelectrochemiluminescenc
e/Cobas e601 as
documented in electronically in
Roche COBAS
LINK/COBAS 6000
Immunoelectrochemiluminescenc
e/Cobas e601 as
documented in electronically in
Roche COBAS
LINK/COBAS 6000
Immunoelectrochemiluminescenc
e/Cobas e601 as
documented in electronically in
Roche COBAS
LINK/COBAS 6000
Immunoelectrochemiluminescenc
e/Cobas e601 as
documented in electronically in
Roche COBAS
LINK/COBAS 6000
Immunoelectrochemiluminescenc
e/Cobas e601 as
documented in electronically in
Roche COBAS
LINK/COBAS 6000
Fluorescence
Immunoassay/F200 as
documented in Dengue IgM/IgG
SOP (GPQD/HAE/SOP-30)
Fluorescence
Immunoassay/F200 as
documented
in Dengue NS1 SOP
(GPQD/HAE/SOP-29)
Fluoro Enzyme Immunoassay as
documented in
IMR/AIRC/AL/SOP/1
Fluoro Enzyme Immunoassay as
documented in
IMR/AIRC/AL/SOP/2
Electrochemiluminescence
Immunoassay
(ECLIA) / Roche Cobas e411 as
documented
in IMR/IDRC/VIRO/SOP/HIV/01
Particle Agglutination Assay (PA)
as
documented in IMR/IDRC/VIRO/SOP/HIV/02

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HIV Ab (Confirmatory)	Western Blot (WB) / Platform
	Shaker as
HIV Ab (Confirmatory)	documented in
	IMR/IDRC/VIRO/SOP/HIV/03
HIV Ab (Confirmatory)	and IMR/IDRC/VIRO/SOP/HIV/04
HIV-1 RNA PCR	Real-time Polymerase Chain
	Reaction (PCR)/
HIV-1 RNA PCR	Abbott m2000 Real Time System
	as
HIV-1 RNA PCR	documented in
	IMR/IDRC/VIRO/SOP/HIV/07
HIV Viral Load	Real-time Polymerase Chain
	Reaction (PCR)/
HIV Viral Load	Cobas 4800 System & Abbott
	m2000 Real
HIV Viral Load	Time System as documented in
HIV Viral Load	IMR/IDRC/VIRO/SOP/HIV/09
HAV IgM	Electrochemiluminescence
	Immunoassay
HAV IgM	(ECLIA) / Roche Cobas e 411 as
	documented in
HAV IgM	IMR/IDRC/VIRO/SOP/HEP/01
HBsAg	Electrochemiluminescence
	Immunoassay
HBsAg	(ECLIA) / Roche Cobas e 411 as
	documented
HBsAg	in IMR/IDRC/VIRO/SOP/HEP/02
HBsAg Confirmatory	Electrochemiluminescence
110 4 0 6	Immunoassay
HBsAg Confirmatory	(ECLIA) / Roche Cobas e 411 as
115 4 0 6 4	documented in
HBsAg Confirmatory	IMR/IDRC/VIRO/SOP/HEP/03
HBsAb	Electrochemiluminescence
LID-AL	Immunoassay
HBsAb	(ECLIA) / Roche Cobas e 411 as
LID-AL	documented
HBsAb	in IMR/IDRC/VIRO/SOP/HEP/04
HBeAg	Electrochemiluminescence
LIDoAa	Immunoassay
HBeAg	(ECLIA) / Roche Cobas e 411 as documented in
LIDo A a	IMR/IDRC/VIRO/SOP/HEP/05
HBeAg HBeAb	Electrochemiluminescence
LIDEVD	
HBeAb	Immunoassay (ECLIA) / Roche Cobas e 411 as
TIDOAD	documented in
HBeAb	IMR/IDRC/VIRO/SOP/HEP/06
HBcAb (Total)	Electrochemiluminescence
TIDUAD (TOTAL)	Immunoassay
HBcAb (Total)	(ECLIA) / Roche Cobas e 411 as
1120/10 (10101)	documented in
	accamonica in

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LID AL (Tatal)	IN 4D (1DD O A (1DO (00D)) 1ED (07
HBcAb (Total)	IMR/IDRC/VIRO/SOP/HEP/07
HBcAb (IgM)	Electrochemiluminescence
	Immunoassay
HBcAb (IgM)	(ECLIA) / Roche Cobas e 411 as
	documented
HBcAb (IgM)	in IMR/IDRC/VIRO/SOP/HEP/08
HCV Ab	Enzyme Immunoassay (EIA) /
	ELISA washer,
HCV Ab	ELISA reader, 37°C incubator as
	documented in
HCV Ab	IMR/IDRC/VIRO/SOP/HEP/09
HCV RNA Qualitative and	Real-time Polymerase Chain
	Reaction (PCR)/
Quantitative	Cobas 4800 / Abbot m2000rt
	Real Time
Quantitative	System as documented in
Quantitative	IMR/IDRC/VIRO/SOP/HEP/10
HCV Genotyping	Polymerase Chain Reaction
	(PCR) / Cobas
HCV Genotyping	4800 System as documented in
HCV Genotyping	IMR/IDRC/VIRO/SOP/HEP/11
Gamma- Glutamyl Transferase	Architect ci8200 based on L-
Assay	Gamma_ glutamyl-
	3carboxy-4-nitroanilide Substrate
	enzymatic method as
	documented in LWI CP012
Glucose	Architect ci8200Glucose based
	on Hexokinase / G6-PDH method
	as documented in LWI-CP13
HDL Cholesterol Assay	Architect ci8200 based on Direct
	Clearance method as
	documented in LWI-CP014
Potassium	Architect ci8200 Potassium
	based on lon-Selective Electrode,
	Diluted (indirect) method as
	documented in LWI- CP16
Total protein	Architect ci8200 Total protein
	based on Biuret method as
	documented in LWICP17
Phosphorus	Architect ci8200 based
	Phosphomolybdate on method as
	documented in LWI-CP037
Rheumatoid Factor	Architect ci8200 based on
	Turbidimetry method as
	documented in LWI-CP39
Unsaturated Iron- Binding	Architect ci8200 based on Ferene
Capacity (UIBC)	method as documented in LWI-
	CP40

NOTE: