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LABORATORY LOCATION: (PERMANENT LABORATORY)	Premier Integrated Labs Sdn. Bhd. (Cheras Branch) Basement, Pantai Hospital Cheras 1, Jalan 1/96 A, Taman cheras Makmur, 56100 Kuala Lumpur. , 56100, WILAYAH PERSEKUTUAN KUALA LUMPUR MALAYSIA
ACCREDITED SINCE :	19 MARCH 2025
FIELD(S) OF MEDICAL TESTING:	CHEMICAL PATHOLOGY
	HAEMATOLOGY

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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	Premier Integrated Labs Sdn. Bhd. (Cheras Branch) Basement, Pantai Hospital Cheras 1, Jalan 1/96 A, Taman cheras Makmur, 56100 Kuala Lumpur. , 56100, Wilayah Persekutuan Kuala Lumpur
FIELD(S) OF MEDICAL TESTING:	CHEMICAL PATHOLOGY, HAEMATOLOGY

SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Plasma	APTT	Turbodensitometric measuring
		method using
	APTT	Sysmex CA 104 Analyzer as
		documented in
	APTT	Haematology Procedure Manual chapter
	APTT	YP151
	PT	Turbodensitometric Measuring
		method using
	PT	Sysmex CA 104 Analyzer as documented in
	PT	Haematology Procedure Manual chapter
	PT	YP152
	Prothrombin	Viscosity-based detection / STA
	FIGUIIOIIIDIII	Compact a
	Time (PT)	Analyzer as documented in
	Activated Partial	None
	Thromboplastin	None
	Time (APTT)	b Turbidimetric immunoassay / ACL TOP CTS 500
	iii Fibrinogen	as documented in
	(Clauss	None
	Technique)	None
	Factor Assays Iv	None
	(Based on	None
	APTT)	None
	Factor Assays Vv	None
	(Bas ed on PT)	None
	Collagen Binding	ELISA method / TECAN Sunrise
		Microplate Reader
	Assay (CBA)	as documented in
	None	HA/HAEM/MRKH/RCH/W118
	Factor Inhibitors	Coagulation method / ACL TOP CTS 500 as
	(Bethesda Unit)	documented in

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None	HA/HAEM/MRKH/RCH/WI-09
Lupus Anticoagulant	Viscosity-based detection / STA
	Compact Analyzer
(Screening test)	as documented in
None	HA/HAEM/MRKH/RCH/WI-02
Anti-Xa (Low	Viscosity-based detection / STA
	Compact Analyzer
Molecular Weight	as documented in
Heparin)	HA/HAEM/MRKH/RCH/WI-02
Lupus Anticoagulant	Viscosity-based detection / STA
	Compact Analyser
(Confirmation Test)	as documented in
None	HA/HAEM/MRKH/RCH/WI-11
Von-Williebrand	Turbidimetric immunoassay /
(\/\/\/\)\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ACL TOP CTS 500 as
(VWF) Assays None	documented in
Glucose	HA/HAEM/MRKH/RCH/WI-22 Automation / Cobas 6000
Glucose	
	analyzer series module C501 as
	documented in
Astinated David	MKAI/SP/BKM/WI-01
Activated Partial	Clotting method by Sysmex
Through an location Time a	CA104 as
Thromboplastin Time	documented in Haematology
(ADTT)	Procedure Manual
(APTT)	Chapter YP151
Prothrombin Time (PT)	Clotting method by Sysmex CA104 as
None	documented in Haematology
None	Procedure Manual
None	Chapter YP152
INR	Photo-optical clot
	reaction/CS2500 (2) as
	documented in PT/INR SOP
	(GPQD/HAE/SOP-33)
APTT	Photo-optical clot
	reaction/CS2500 (2) as
	documented in APTT SOP
	(GPQD/HAE/SOP-37)
Fibrinogen	Photo-optical clot
	reaction/CS2500 (2) as
	documented
Fibrinogen	in Fibrinogen SOP
	(GPQD/HAE/SOP-35)
Lupus Anticoagulant	Photo-optical clot
- 1	reaction/CS2500 (2) as
	documented
Lupus Anticoagulant	in SOP (GPQD/HAE/SOP-1)
Antithrombin III	Photo-optical clot
	reaction/CS2500 (2) as
	documented
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Antithrombin III	in Antithrombin II] GPQD/HAE/SOP-2
Protein C	1 2 2
Protein C	Photo-optical clot reaction/CS2500 (2) as
	` '
Protein C	documented in Protein C GPQD/HAE/SOP-4
Protein S	
Protein S	Photo-optical clot
	reaction/CS2500 (2) as
Duratain C	documented
Protein S	in Protein S GPQD/HAE/SOP-3
Factor V Leiden	Photo-optical clot
	reaction/CS2500 (2) as
.	documented
Mutation	in Factor V Leiden
100 (50)	GPQD/HAE/SOP-6
HIV-1 RNA Quantitative	Real-Time PCR/Alinity M System
LIN / 4 DNIA C	(1 as
HIV-1 RNA Quantitative	documented in SOP
	(GPQD/MOL/SOP-19
HBV DNA Quantitative	Real-Time PCR/Alinity M System
	(1 as
HBV DNA Quantitative	documented in SOP
	(GPQD/MOL/SOP-19
HCV RNA Quantitative	Real-Time PCR/Alinity M System
	(1 as
HCV RNA Quantitative	documented in SOP
	(GPQD/MOL/SOP-19
HCV RNA	Real-Time PCR/Alinity M System
	(1 as
HCV RNA	documented in SOP
	(GPQD/MOL/SOP-19
Iron	Photometry hexokinase/Cobas
	c311 as
Iron	documented electronically in
	Roche COBAS
Iron	LINK/COBAS c311
Glucose	Photometry hexokinase/Cobas
	c311 as
Glucose	documented electronically in
	Roche COBAS
Glucose	LINK/COBAS c311
INR	Clotting scattered light detection
	method/Sysmex
APTT	Ca-660 as documented in
	GPQD/HAE-SSOP-
APTT	43/CA600 Operating Procedure
Blood Group	GPQD/HAE/SOP-47 and
•	GPQD/HAE/SOP-48
DAT	Direct agglutination/Diamed Gel-
	card as

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DAT GPQD/HAE/SOP-45 and GPQD/HAE/SOP-48 Antibody Screen Agglutination with Panel cells/ Diamed Gel-card as Antibody Screen GPQD/HAE/SOP-53 and Antibody Screen GPQD/HAE/SOP-53 and Antibody Screen GPQD/HAE/SOP-48 Cross-match Major cross match/ Diamed Gel-card as documented in GPQD/HAE/SOP-46 and GPQD/HAE/SOP-46 and GPQD/HAE/SOP-46 and GPQD/HAE/SOP-46 and GPQD/HAE/SOP-48 Glucose Colourimetric hexokinase/Cobas c501 as = Glucose Glucose LINK/COBAS 6000 Lactate Colourimetry Enzymatic/Cobas c501 as Lactate LINK/COBAS 6000 Lactate Colourimetry Enzymatic/Cobas c501 as Lactate LINK/COBAS 6000 INR Electromagnetic sensor/CA104 as documented in ST art4 SOP (GPQD/HAE/SOP-42) APTT Electromagnetic sensor/CA 104 as documented in APTT ST art4 SOP (GPQD/HAE/SOP-42) Glucose Spectrophotometry/Cobas c311 as documented Glucose electronically in Roche C311 Procalcitonin Immunoelectrochemiluminescenc e/Cobas e144 as Procalcitonin documented electronically in Roche COBAS INR Clotting method-turbo densitometric photo-optical INR Measuring principle/Sysmex CA 104 as INR GGPD Screen Inan GGPD Screen Fluorescence Immunoassay as documented in D D-Dimer Dimer SOP (GPQD/HAE/SOP-36) Blood Culture		1
DAT GPQD/HAE/SOP-48 Antibody Screen Agglutination with Panel cells/ Diamed Gel-card as Antibody Screen documented in GPQD/HAE/SOP-53 and Antibody Screen GPQD/HAE/SOP-48 Cross-match Major cross match/ Diamed Gel-card as documented Cross-match in GPQD/HAE/SOP-46 and GPQD/HAE/SOP-46 and GPQD/HAE/SOP-46 and GPQD/HAE/SOP-48 Glucose Colourimetric hexokinase/Cobas c501 as = Glucose documented electronically in Roche COBAS Glucose LINK/COBAS 6000 Lactate Colourimetry Enzymatic/Cobas c501 as Lactate documented electronically in Roche COBAS LINK/COBAS 6000 INR Electromagnetic sensor/CA104 as documented in INR ST art4 SOP (GPQD/HAE/SOP-42) APTT Electromagnetic sensor/CA 104 as documented in APTT ST art4 SOP (GPQD/HAE/SOP-42) Glucose Spectrophotometry/Cobas c311 as documented Glucose electronically in Roche C311 Procalcitonin Immunoelectrochemiluminescenc e/Cobas e144 as Procalcitonin documented electronically in Roche COBAS INR Clotting method-turbo densitometric photo-optical INR measuring principle/Sysmex CA 104 as INR documented in (GPQD/HAE/SOP-42) GGPD Screen nan GGPD Screen Fluorescence Immunoassay as documented in D D-Dimer Dimer SOP (GPQD/HAE/SOP-36)	DAT	documented in
Antibody Screen Agglutination with Panel cells/Diamed Gel-card as Antibody Screen GPQD/HAE/SOP-53 and Antibody Screen GPQD/HAE/SOP-48 Cross-match Major cross match/ Diamed Gelcard as documented in GPQD/HAE/SOP-46 and GPQD/HAE/SOP-46 and GPQD/HAE/SOP-46 and GPQD/HAE/SOP-48 Glucose Colourimetric hexokinase/Cobas c501 as = Glucose LINK/COBAS 6000 Lactate Colourimetry Enzymatic/Cobas c501 as Lactate LINK/COBAS 6000 Lactate LINK/COBAS 6000 Lactate LINK/COBAS 6000 INR Electromagnetic sensor/CA104 as documented in NR ST art4 SOP (GPQD/HAE/SOP-42) APTT Electromagnetic sensor/CA 104 as documented in APTT ST art4 SOP (GPQD/HAE/SOP-42) Glucose Glucose Electronically in Roche C311 Immunoelectrochemiluminescenc e/Cobas e144 as Procalcitonin INR Clotting method-turbo densitometric photo-optical INR INR Clotting method-turbo densitometric photo-optical INR Manuel Glucose INR INR Clotting method-turbo densitometric photo-optical INR Mache COBAS INR Clotting method-turbo Gensoren GPQD/HAE/SOP-42) GPQD/HAE/SOP-42) GPQD/HAE/SOP-42 INR Measuring principle/Sysmex CA 104 as INR Minr Minr Minr Minr Minr Minr Minr Minr		
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Antibody Screen Antibody Screen GPQD/HAE/SOP-53 and GPQD/HAE/SOP-48 Cross-match Major cross match/ Diamed Gelcard as documented in GPQD/HAE/SOP-46 and GPQD/HAE/SOP-46 Glucose Glucose Glucose Glucose Glucose Colourimetric hexokinase/Cobas c501 as = Glucose Glucose LINK/COBAS 6000 Lactate Colourimetry Enzymatic/Cobas c501 as Lactate Colourimetry Enzymatic/Cobas c501 as Lactate LINK/COBAS 6000 Lactate LINK/COBAS 6000 Lactate LINK/COBAS 6000 INR Electromagnetic sensor/CA104 as documented in ST art4 SOP (GPQD/HAE/SOP-42) APTT Electromagnetic sensor/CA 104 as documented in APTT ST art4 SOP (GPQD/HAE/SOP-42) Glucose Spectrophotometry/Cobas c311 as documented Glucose Glucose Spectrophotometry/Cobas c311 Brocalcitonin Immunoelectrochemiluminescence e/Cobas e144 as Procalcitonin documented electronically in Roche COBAS INR Clotting method-turbo densitometric photo-optical INR measuring principle/Sysmex CA 104 as INR GPQD/HAE/SOP-42) GPD Screen nan GPD Screen Fluorescence Immunoassay as documented in D Dimer SOP (GPQD/HAE/SOP-36) Blood Culture 9240) fluorescent method as	Antibody Screen	
Antibody Screen GPQD/HAE/SOP-43 Cross-match Major cross match/ Diamed Gelcard as documented in GPQD/HAE/SOP-46 and GPQD/HAE/SOP-48 Glucose Colourimetric hexokinase/Cobas c501 as = Glucose LINK/COBAS 6000 Lactate Colourimetry Enzymatic/Cobas c501 as Lactate Colourimetry Enzymatic/Cobas c501 as Lactate LINK/COBAS 6000 Lactate LINK/COBAS 6000 Lactate LINK/COBAS 6000 INR Electromagnetic sensor/CA104 as documented in ST art4 SOP (GPQD/HAE/SOP-42) APTT Electromagnetic sensor/CA 104 as documented in ST art4 SOP (GPQD/HAE/SOP-42) Glucose Spectrophotometry/Cobas c311 as documented Glucose electronically in Roche C311 Procalcitonin Immunoelectrochemiluminescenc e/Cobas e144 as Procalcitonin documented electronically in Roche COBAS INR Clotting method-turbo densitometric photo-optical INR measuring principle/Sysmex CA 104 as INR documented in (GPQD/HAE/SOP-42) GGPD Screen Fluorescence Immunoassay as documented in D Dimer SOP (GPQD/HAE/SOP-36) Blood Culture		
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Cross-match Cross-cross-read Cross-cross-read Cross-cross-read Cross-cross-read Cross-match Cross-cross-read Cross-cross-read Cross-match Cross-cross-read Cross-match Cross-cross-read Cross-cross-cross-read Cross-cross-read Cross-cross-cross-read Cross-cross-cross-read Cross-cross-cross-cross-read Cross-cross		· · · · · · · · · · · · · · · · · · ·
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GPQD/HAE/SOP-48		
Glucose Colourimetric hexokinase/Cobas c501 as = Glucose documented electronically in Roche COBAS Glucose LINK/COBAS 6000 Lactate Colourimetry Enzymatic/Cobas c501 as Lactate documented electronically in Roche COBAS Lactate LINK/COBAS 6000 INR Electromagnetic sensor/CA104 as documented in INR ST art4 SOP (GPQD/HAE/SOP-42) APTT Electromagnetic sensor/CA 104 as documented in APTT ST art4 SOP (GPQD/HAE/SOP-42) Glucose Spectrophotometry/Cobas c311 as documented Glucose electronically in Roche C311 Procalcitonin Immunoelectrochemiluminescenc e/Cobas e144 as Procalcitonin documented electronically in Roche COBAS INR Clotting method-turbo densitometric photo-optical INR measuring principle/Sysmex CA 104 as INR documented in (GPQD/HAE/SOP-42) G6PD Screen nan G6PD Screen Fluorescence Immunoassay as documented in D D-Dimer SOP (GPQD/HAE/SOP-36) Blood Culture 9240) fluorescent method as	Cross-match	i i
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Lactate LINK/COBAS 6000 INR Electromagnetic sensor/CA104 as documented in INR ST art4 SOP (GPQD/HAE/SOP-42) APTT Electromagnetic sensor/CA 104 as documented in APTT ST art4 SOP (GPQD/HAE/SOP-42) Glucose Spectrophotometry/Cobas c311 as documented Glucose Glucose electronically in Roche C311 Procalcitonin Immunoelectrochemiluminescenc e/Cobas e144 as Procalcitonin documented electronically in Roche COBAS INR Clotting method-turbo densitometric photo-optical INR measuring principle/Sysmex CA 104 as INR documented in (GPQD/HAE/SOP-42) G6PD Screen G6PD Screen Fluorescence Immunoassay as documented in D D-Dimer Dimer SOP (GPQD/HAE/SOP-36) Blood Culture	Lactate	documented electronically in
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Procalcitonin Immunoelectrochemiluminescenc e/Cobas e144 as Procalcitonin documented electronically in Roche COBAS INR Clotting method-turbo densitometric photo-optical INR measuring principle/Sysmex CA 104 as INR documented in (GPQD/HAE/SOP-42) G6PD Screen nan G6PD Screen Fluorescence Immunoassay as documented in D D-Dimer Dimer SOP (GPQD/HAE/SOP-36) Blood Culture		
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INR measuring principle/Sysmex CA 104 as INR documented in (GPQD/HAE/SOP-42) G6PD Screen nan G6PD Screen Fluorescence Immunoassay as documented in D D-Dimer Dimer SOP (GPQD/HAE/SOP-36) Blood Culture 9240) fluorescent method as		_
INR documented in (GPQD/HAE/SOP-42) G6PD Screen nan G6PD Screen Fluorescence Immunoassay as documented in D D-Dimer Dimer SOP (GPQD/HAE/SOP-36) Blood Culture 9240) fluorescent method as	INR	
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G6PD Screen Fluorescence Immunoassay as documented in D D-Dimer Dimer SOP (GPQD/HAE/SOP-36) Blood Culture 9240) fluorescent method as	G6PD Screen	·
documented in D D-Dimer Dimer SOP (GPQD/HAE/SOP-36) Blood Culture 9240) fluorescent method as		
D-Dimer Dimer SOP (GPQD/HAE/SOP-36) Blood Culture 9240) fluorescent method as	20.00	- 1
(GPQD/HAE/SOP-36) Blood Culture 9240) fluorescent method as	D-Dimer	
Blood Culture 9240) fluorescent method as		
'	Blood Culture	·
documented in	blood Culture	· ·
		documented III

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Blood Culture	SL/LAB/S3.1 and BD BACTEC 9240 Manual
	oz ro mandar
HIV Genotypic Resistance -"	Polymerase Chain Reaction
	(PCR) and
Protease and Reverse	Population-based Genome
	Sequencing /
Transcriptase	Eppendorf Mastercycler X50s
	thermal cycler
Transcriptase	as documented in
Transcriptase	IMR/IDRC/VIRO/SOP/HIV/10
HIV Genotypic Resistance -"	Polymerase Chain Reaction
Into our co	(PCR) and
Integrase	Population-based Genome
Integrane	Sequencing /
Integrase	Eppendorf Mastercycler X50s
Integrane	thermal cycler
Integrase	as documented in
Integrase	IMR/IDRC/VIRO/SOP/HIV/11
Homocysteine (Total)	Documented in
	IMR/SDC/BC/SOP-4 / Agilent 1260 HPLC
Homocysteine (Total)	with Fluorescence Detector
Carnitine (Total & Free)	Enzymatic end-point as
Carrilline (10tal & Free)	documented in
Carnitine (Total & Free)	IMR/SDC/BC/SOP-3/
Carrille (Total & Free)	Spectrophotometer
Glycosaminoglycans	Complex with Dimethylmethylene
Siy doddiriir logiy darib	Blue (DMB)
(GAG) Quantitation	as documented in
(e) (e) quantitution	IMR/SDC/BC/SOP-5/
	Spectrophotometer
GAG Separation	High Resolution Electrophoresis
·	as
GAG Separation	documented in
·	IMR/SDC/BC/SOP-6/ Multiphor
GAG Separation	II Electrophoresis System
Organic Acids	Derivatisation with BSTFA as
	documented in
Organic Acids	IMR/SDC/BC/SOP-9/GCMS
	Agilent 7890B
Orotic Acids	Reverse-phase Chromatography
	as
Orotic Acids	Documented in
	IMR/SDC/BC/SOP-10/ Agilent
	1200 HPLC
Orotic Acids	with Diode Array Detector

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·	Clotting (optical) Method/Sysmex
	CS1600 As documented in
` ,	HSNI/PAT/HM/TPM/VER3/2019/ 02
 	HSNI/PAT/HM/AK/VER3/2019/04
	HSNI/PAT/HM/TPM/VER3/2019/ 03
Thromboplastin Time (APTT)	HSNI/PAT/HM/AK/VER3/2019/04
	GLDH ? UV on Beckman Coulter
	AU5800 as documented in
	HS/JP/W1 (CP;07)-024 Test on
E	Beckman Coulter AU5800
Lactate	Enzymatic LOD-POD on
E	Beckman Coulter AU5800 as
C	documented in HS/JP/WI
	(CP;07)- 024 Test on Beckman
	Coulter AU 5800
	EMIT on Viva E (Siemens) as
	documented in HS/JP/WI
	(CP:07)- 014 Test on VIVA E
	(Siemens)
	Clotting Activity
	HS/JP/W1(HM:08)- 007
	Clotting Activity
, ,	HS/JP/W1(HM:08)- 007
` ,	Clotting Activity
	HS/JP/W1(HM:08)- 007
	Clotting Activity
` '	HS/JP/W1(HM:08)- 007 Change in turbidity of a
	microparticle suspension
	measured by photometry
	Clotting Activity
	HS/JP/W1(HM:08)- 017
	Glutamate Dehydrogenase as
	documented in Arahan Kerja
	Pengendalian Ujian Pada Alinity
((HTPG/JP/CHM/AK-02)
Lactate (LacticAcid)	Lactic Acid to Pyruvate (L to P)
a	as documented in Arahan Kerja
	Pengendalian Ujian Pada Alinity
,	(HTPG/JP/CHM/AK-02)
	Mechanical clot detection
	Analyser: Stago Compact/ Max
	All methods and specifications as
	documented in
	HTPG/JP/HEM/AK-04
APTT	Mechanical clot detection

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	ADTT	Analyses Chara Carrage 4/14
	APTT	Analyser: Stago Compact/ Max All methods and specifications as
		documented in
		HTPG/JP/HEM/AK-05
	Fibringgon	
	Fibrinogen	Clauss method Analyser: Stago Compact/ Max All methods and
		specifications as documented in
		HTPG/JP/HEM/AK-06
	D-Dimer	Turbidimetry Analyser: Stago
	D-Diffiel	Compact/ Max All methods and
		specifications as documented in
		HTPG/JP/HEM/AK-07
	Glucose (Plasma)	Hexokinase Method. Analyzer
		Beckman Coulter AU680
		(labelled as AU680-A and
		AU680-B) as documented in
		SASMEC@IIUM/PALM/INT-
		WI0203
Serum/plasma	Alanine	Modified Wroblewski and LaDue,
		modified
	Aminotransferase (ALT)	IFCC, with P5P method using
		Dimension RXL
	Aminotransferase (ALT)	Max as documented in
		Biochemistry
	Aminotransferase (ALT)	Procedure Manual chapter CP010
	Albumin	Bromocresol Purple (BCP) dye
		binding method
	Albumin	using Dimension RXL Max as
		documented in
	Albumin	Biochemistry Procedure Manual
		chapter
	Albumin	CP015
	Alkaline Phosphatase	Bowers and McComb, IFCC
		standardization
	(ALP)	method using Dimension RXL
		Max as
	(ALP)	documented in Biochemistry
		Procedure
	(ALP)	Manual chapter CP020
	Amylase	Hydrolysis of CNPG3 method
		using Dimension
	Amylase	RXL Max as documented in Biochemistry
	Amylase	Procedure Manual chapter
	, any idoo	CP025
	Aspartate	Modified IFCC, with PSP method
	Aspartate	using
	aminotransferase (AST)	Dimension RXL Max as
	animotransiciase (AOT)	documented in
		accumomod iii

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aminotransferase (AST)	Biochemistry Procedure Manual
(1.2-)	chapter
aminotransferase (AST)	CP035
Bilirubin (Total)	Modified Diazo method using
Dir. Li. (T. (I)	Dimension RXL
Bilirubin (Total)	Max as documented in
D'lle bie (Tatal)	Biochemistry
Bilirubin (Total)	Procedure Manual chapter
Coloium	CP135
Calcium	Modification of the calcium o-
Coloium	cresolphtalein
Calcium	complexone (OCPC) reaction
Calcium	method using Dimension RXL Max as
Calcium	documented in
Calcium	Biochemistry Procedure Manual
Calcium	chapter
Calcium	CP040
Chloride	Indirect Integrated Multisensor
Chloride	Technology
Chloride	(IMT) method using Dimension
Chloride	RXL Max as
Chloride	documented in Biochemistry
Chloride	Procedure
Chloride	Manual chapter CP075
Cholesterol (Total)	Enzymatic cholesterol oxidase,
	esterase,
Cholesterol (Total)	peroxidase method using
() ()	Dimension RXL Max
Cholesterol (Total)	as documented in Biochemistry
,	Procedure
Cholesterol (Total)	Manual chapter CP050
Creatine Kinase MB	Modified IFCC CK Primary
	Reference method
(CKMB)	using Dimension RXL Max as
	documented in
(CKMB)	Biochemistry Procedure Manual
	chapter
Creatine Kinase (CK)	IFCC Primary Reference method
	using
Creatine Kinase (CK)	Dimension RXL Max as
	documented in
Creatine Kinase (CK)	Biochemistry Procedure Manual
0 " 16" (010	chapter
Creatine Kinase (CK)	CP055
Creatinine	Kinetic Alkaline picrate (modified
One of the ten	Jaffe) method
Creatinine	using Dimension RXL Max as
Cractining	documented in
Creatinine	Biochemistry Procedure Manual
	chapter

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Creatinine	CP065
Gamma-Glutamyl	L-y-
•	glutamyl-3-carboxy-4-nitroanilide
	substrate
Transferase (GGT)	reaction/IFCC method using
(Dimension RXL
Transferase (GGT)	Max as documented in
Transition (CCT)	Biochemistry
Transferase (GGT)	Procedure Manual chapter
Transierase (SST)	CP085
Glucose	Hexokinase method using
Glacose	Dimension RXL
Glucose	Max as documented in
Glucose	
Glucose	Biochemistry Procedure Manual chapter
Glucose	CP090
HDL Cholesterol	PEG-modified Cholesterol
HDL Cholesterol	
HDL Cholesterol	esterase, oxidase,
HDL Cholesterol	peroxidase, end point method
LIDL OL L	using Dimension
HDL Cholesterol	RXL Max as documented in
	Biochemistry
HDL Cholesterol	Procedure Manual chapter
	CP037
Lactate Dehydrogenase	Lactate to pyruvate, nicotinamide
	adenine
(LDH)	dinucleotide (NAD) method using
	Dimension
(LDH)	RXL Max as documented in
	Biochemistry
(LDH)	Procedure Manual chapter
	CP100
Phospate (Inorganic)	Phosphomolybdate method using
	Dimension
Phospate (Inorganic)	RXL Max as documented in
	Biochemistry
Phospate (Inorganic)	Procedure Manual chapter
	CP125
Potassium	Indirect Integrated Multisensor
	Technology
Potassium	(IMT) method using Dimension
	RXL Max as
Potassium	documented in Biochemistry
	Procedure
Potassium	Manual chapter CP075
Sodium	Indirect Integrated Multisensor
	Technology
Sodium	(IMT) method using Dimension
	RXL Max as
Sodium	documented in Biochemistry
	Procedure

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Sodium	Manual chapter CP075
Total Protein	Biuret reaction method using
	Dimension RXL
Total Protein	Max as documented in
	Biochemistry
Total Protein	Procedure Manual chapter
	CP140
Triglyceride	Glycerol Phosphate Oxidase
	reaction method
Triglyceride	using Dimension RXL Max as
	documented in
Triglyceride	Biochemistry Procedure Manual
	chapter
Triglyceride	CP145
Urea	Urease/glutamate
	dehydrogenase method
Urea	using Dimension RXL Max as
	documented in
Urea	Biochemistry Procedure Manual
	chapter
Urea	CP150
Uric Acid	Uricase method using Dimension
	RXL Max as
Uric Acid	documented in Biochemistry
	Procedure
Uric Acid	Manual chapter CP155
FEME	Semi-Automated reflectance
	spectroscopy
FEME	method using Clinitek Advantus
	as
FEME	documented in Microbiology
	Procedures
FEME	Manual VP208
Electrolytes	GBLYTE ELECTROLYTE
	ANALYZER
Sodium (Na) e	nan
Potassium (K) e	nan
Chloride (CI) e	nan
Kidney Function Test	SYSMEX BX3010
Urea e	nan
Creatinine e	nan
Calcium e	nan
Phosphate e	nan
Uric Acid e	nan
Glycemic Index	nan
Glucose e	nan
Hexokinase	nan
Liver Function Test	nan
Alanine e	nan
Transaminase	nan
(ALT)	nan
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Aspartate	nan
Transaminase	nan
(AST)	nan
Total protein	nan
(TP)	nan
Albumin	nan
Total Bilirubin	nan
Alkaline	nan
Phosphate	nan
Gamma	nan
Glutamyl	nan
Transferase	nan
(GGT)	nan
Lipid Profile	nan
Total e	nan
Cholesterol	nan
High Density	nan
Lipoprotein	nan
Low Density	nan
Lipoprotein	nan
Trigycerides	nan
BETA HCG	Fully automated immunoassay,
	COBAS E411
Anti-parasitic antibody levels:	nan
Amoebiasis IgG	Enzyme-Linked Immunosorbent
3	Assay /
Amoebiasis IgG	BIOTEK ELISA Machine Method
3	as documented in
	IMR/IDRC/PST/SOP/1-4
Syphilis Screening	Carbon Antigen Particle
3	Agglutination method as
	documented in DS/LAB/LW 1/002
HbsAg	Manual ELISA method as
3	documented in DS/LAB/LW 1/002
HIV (1&II) Ab ELISA	Manual ELISA method as
(1.6) / 1.6 = 2.0 / 1	documented in DS/LAB/LW 1/002
Malaria Parasite	Manual ELISA method as
	documented in DS/LAB/LW 1/002
Alanine Transaminase (ALT)	Enzymatic (NADH without P5P)
/ warmie 11anieaniinaee (/ i=1)	as documented in Arahan Kerja
	Pengendalian Ujian Pada Alinity
	(HTPG/JP/CHM/AK-02)
Albumin (AlbuminBCP)	Colorimetric (Bromocresol
/ libarriii (/ libarriii 1501)	Purple) as documented in Arahan
	Kerja Pengendalian Ujian Pada
	Alinity (HTPG/JP/CHM/AK-02)
Alkaline Phosphatase (AlkP)	Para nitrophenyl phosphate as
Amaine i nosphalase (Alkr)	documented in Arahan Kerja
	- 1
	Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
	(TTFG/JF/GNIVI/AN-UZ)

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Amylase	Enzymatic (CNPG3 Substrate) as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Aspartate Transaminase (AST)	Enzymatic (NADH without P5P) as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Calcium	Arsenazo III as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Chloride (CI-C)	lon-selective electrode diluted (ISE Indirect) as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Cholesterol (Chol)	Enzymatic as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
C-Reactive Protein	Immunoturbidimetric as documented in Arahan
(CRP48)	Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Creatinine	Kinetic Alkaline Picrate as documented in
Creatinine	Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Creatinine Kinase (CK)	NAC (N-Acetyl-L-Cysteine) as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Direct Bilirubin (Bili D)	Diazo Reaction as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Glucose (Serum/Plasma)	Enzymatic (Hexokinase/G-6-PDH) as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
High Density Lipoprotein (Ultra HDL)	Accelerator Selecting Detergent as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Lactate Dehydrogenase (LDH)	Lactate to Pyruvate (L to P) as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)

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Magnesium	Enzymatic as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Phosphorus	Phosphomolybdate as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Potassium (K-C)	Ion-selective electrode diluted (ISE Indirect) as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Sodium (Na-C)	Ion-selective electrode diluted (ISE Indirect) as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Total Bilirubin (Bili Total)	Diazonium salt as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Total Protein (Total Prot)	Biuret as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Triglycerides (Trig)	Glycerol Phosphate Oxidase (GPO) as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Urea	Urease as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
Uric acid	Uricase as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)

SCOPE OF MEDICAL TESTING: HAEMATOLOGY

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Immunohaematology	None	None
	None	None
	None	None
	None	None
Whole Blood	ABO & Rh D Blood	Manual tube method as
		documented in Blood

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Grouping	Bank Procedure Manual chapter BP020
Cross-matching	Column Agglutination (gel card) method as
Cross-matching	documented in Blood Bank
Oross matering	Procedure Manual
Cross-matching	chapter BP026
Direct Antiglobulin Test	Column agglutination (gel card)
Direct Antigiobalin Test	method as
Direct Antiglobulin Test	documented in Blood Bank
Direct / tritigioballi Test	procedure Manual
Direct Antiglobulin Test	chapter BP085
Antibody screening /	Column agglutination (gel card)
Antibody Screening /	method as
Indirect Antiglobulin Test	documented in Blood Bank
maneet Antigiobalin Test	Procedure manual
Indirect Antiglobulin Test	chapter
Full Blood Count (FBC)	Fluorescent flow cytometry,
Tali blood Count (i bc)	hydrodynamic
Full Blood Count (FBC)	focusing and Cyanide-free SLS
Tall Blood Count (LBC)	method using
Full Blood Count (FBC)	Sysmex XN 1000 analyzer as
Full Blood Count (FBC)	documented in Haematology
Full Blood Count (FBC)	Procedure
Full Blood Count (FBC)	Manual, YP037
ABO & Rh Blood	Test Tube Method / Centrifuge as
ABO & KII Blood	documented
Grouping	in
Grouping Grouping	MLS/LAB/WI.3.0; Index 1.0
Grouping	MLS/LAB/WI.3.0; Index 1.0
Grouping	MLS/LAB/WI.3.0; Index 3.0
Malaria Parasite	ELISA Method / Microplate
ividialia Falasite	washer, Incubator
Malaria Parasite	37°C and Reader as
Maiaria Farasite	documented in
Malaria Parasite	MLS/LAB/WI.2.0; Index 1.0
Malaria Parasite	Blood Smear Thick and Thin
ividialia Falasite	Method as
Malaria Parasite	documented in MLS/LAB/WI.2.0;
Maiana Parasite	Index 2.0
ABO & Rhesus Blood	
ABO & Rilesus Blood	Test Tube method / Centrifuge as documented
Crouning	
Grouping Malaria Parasite	in JH/WI/01-Rev 6 ELISA -" Qualisa MalariaTM
iviaidiid Parasile	
Malaria Dargaita	Method /
Malaria Parasite	Incubator 37°C, Microplate
Molorio Dorosita	washer and Reader
Malaria Parasite	as documented in JH/WI/04-Rev
Molorio Dorosita	Pland amounthials and thin
Malaria Parasite	Blood smear thick and thin
	method as

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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 /
I all Bloca i lotaro	Sysmex XN3000
(FBP)	(Sysmex XN-20 Integrated with
(1.21.)	Automated Slide Maker SP10) as
	documented in
Haemoglobin	Capillary Electrophoresis (CE) /
Tide mogroun	SEBIA Flex2
Analysis	Cap Piercing Analyser as
7 thaty old	documented in
None	HA/HAEM/MRKH/RC/WI-23
None	Gel Electrophoresis (acid) /
TVOTIC	Hydrasis Gel
None	Electrophoresis Analyser as
TVOTIC	documented in
None	Gel Electrophoresis (alkaline) /
TVOTIC	Hydrasis Gel
None	Electrophoresis Analyser as
TVOTIC	documented in
None	HA/HAEM/MRKH/RC/WI-25
Blood Count (FBC)	Electrical resistance for counting
Blood Codin (1 Bo)	WBC, RBC and
White Cell	PLT and cyanide free method for
Wille Gell	hemoglobin /
None	as documented in
None	HA/HAEM/MRKH/CYT/WI-11v1
Karyotyping	G-banding technique / MetaSyste
raryotyping	m: IKAROS imaging as
	documented in
None	HA/HAEM/MRKH/CYT/WI-05-1v2
None	HA/HAEM/MRKH/CYT/WI-03-1V2
None	HA/HAEM/MRKH/CYT/WI-11V1
Hybridization (FISH)	/MetaSytem ISIS imaging as
None	documented in HA/HAEM/MRKH/CYT/WI-13v1
None	HA/HAEM/MRKH/CYT/WI-17v2

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None	HA/HAEM/MRKH/CYT/WI-18v2
None	HA/HAEM/MRKH/CYT/WI-19 v1
None	HA/HAEM/MRKH/CYT/WI-20v1
Fluorescence In-situ	FISH method /Thermobrite-
Tradicacined in old	StatSpin,Abbott Molecular
Hybridization (FISH)	/MetaSytem ISIS imaging as
Trybridization (Fiori)	documented in
None	HA/HAEM/MRKH/CYT/WI-13v1
None	HA/HAEM/MRKH/CYT/WI-17v2
	HA/HAEM/MRKH/CYT/WI-18v2
None	
None	HA/HAEM/MRKH/CYT/WI-19 v1
None	HA/HAEM/MRKH/CYT/WI-20v1
ABO Blood Grouping / Rh (D)	Tube Method as documented in MTM-IH-06
Malarial Antigen	ELISA Method as documented in MTM-IH-03
Malarial Antigen	ROBONIK Washwell plate Elisa
Malanai Anagen	Washer
Malarial Antigen	ROBONIK Readwell touch Elisa
Malanai Antigen	Plate
Malarial Antigen	Analyser
Blood Film Malaria	
Blood Film Maiaria	Microscopy -" Thick and Thin Blood Film as
Parasite (BFMP)	documented in MTM-IH 07
Parasite (BFMP)	Giemsa stain
Full Blood Count	Cell count using Sysmex XN 550
Full Blood Count	and XN 1000
(EDC)	
(FBC)	analyzers as documented in
None	Haematology Procedure Manual Chapter and
None	YP037
ABO and RhD Blood	Manual tube method as
	documented in Blood
Grouping	Bank Procedure Manual Chapter BP020
Cross-matching	Column Agglutination Technology
Cross-matering	method as
None	documented in Blood Bank
None	Procedure Manual
Nana	
None	Chapter BP026
ABO Blood Grouping /	Test Tube
Rhesus	nan
Full Blood Count (FBC) White	Mythic-,,¢ 22 AL
Blood Cell	
Lymphocyte	nan
Monocytes	nan
Neutrophils	nan
Eosinophils	nan
Basophils	nan
Deal Diseas Call	nan
Red Blood Cell Hemoglobin	Tian

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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
maiana / inigon	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
O (ELIOA)	Immunosorbent
Screening Test (ELISA)	Assay / ELISA Semi Automated
	Instrument -"
Screening Test (ELISA)	Washer, Reader and Incubator
	as documented
Screening Test (ELISA)	in Q@LAB_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 Q
	LAB_SOP_05
Cyclosporin	Immunoelectrochemiluminescenc
	e/Cobas e801
Cyclosporin	(6) as documented in
	electronically in Cobas e801
G6PD screen	Fluorescence Method/Manual as
	documented in G6PD
G6PD screen	SOP (GPQD/HAE/SOP-55)
Cytomegalovirus PCR	as documented in
	GPQD/MOL/SOP-14
Mumps IgG & IgM	Chemiluminescence
	Immunoassay/Diasorin XL (2)
Mumps IgG & IgM	as documented in Operator
	Manual
Measles IgG & IgM	Chemiluminescence
Instable 190 & 1911	Immunoassay/Diasorin XL (2)
Measles IgG & IgM	as documented in Operator
	Manual
	manda

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Varicella IgG & IgM	Chemiluminescence
	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
	documented in
Urine Pregnancy Test	GPQD/BI/SOP-11
HBA1C	TTAB-
	Tetradecyltrimethylammonium
	bromide
HBA1C	Turbidimetric/Cobas c501
	documented as
HBA1C	electronically in Roche COBAS
	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)
	in and any
Full Blood Count (FBC)	Fluorescence Flow Cytometry,
i an blood dount (i bo)	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
Full Blood Count (FBC) D-Dimer	110110110110110110110110110110110110110
יט-טווווט-ט	Antigen-antibody
	interaction/Cobas H232 As
D D:	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
Peripheral Blood Film (PBF)	HSNI/PAT/HM/AK/VER2/06
ABO Grouping	Manual method (tube method) As
	documented in
	HSNI/PAT/AK/TD/31
Blood Gases	Flow through electrode sensors
	as documented in HS/JP/WI (CP
	;07)-020 pH and Blood Gases on
	GEM PREMIER 3500
Cyclosporine	EMIT on Viva E (Siemens) as
	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
E II Discut Oscari	SLS-Hemoglobin Method.
Full Blood Count	HS/JP/WI(HM:08)-004
Erythrocyte Sedimentation Rates	Westergren Method
(ESR)	HS/JP/W1(HM:08)- 005 Flowcytometry and Microscopic
Full Blood Picture (FBP)	
	Examination HS/JP/W1(HM:08)-011
Reticulocytes	Flowcytometry method
Reticulocytes	HS/JP/W1(HM:08)- 004
Hb Analysis	1. High Performance Liquid
Tib Allalysis	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.
Cross-matching	Column Agglutination Technology
	method as documented in Blood
	Bank Operation Procedure
	Manual BP026.

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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 Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Mean Corpuscular Volume?s Count	SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/I NT-W10205
Mean Corpuscular Hemoglobin?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in SAS MEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT- W10205
Mean Corpuscular Hemoglobin Concentration?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in SAS MEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT- W1I0205
RDW?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
RDW?s Count	SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/I 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- 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	SASMEC@IIUM/PALM/INT-
	W10204
Basophils?s Count	VCSn Analysis. Analyzer
	Beckman Coulter DXH 800 and
	DXH 900 as documented in
Basophils?s Count	SASMEC@IIUM/PALM/INT-
	W10204 SASMEC@IIUM/PALM/I
	NT-W10205
NE# Count	VCSn Analysis. Analyzer
	Beckman Coulter DXH 800 and
	DXH 900 as documented in
NE# Count	SASMEC@IIUM/PALM/INT-
	W10204
LY# Count	VCSn Analysis. Analyzer
	Beckman Coulter DXH 800 and
	DXH 900 as documented in
LY# Count	SASMEC@IIUM/PALM/INT-
	W10204 SASMEC@IIUM/PALM/I
	NT-W10205
MO# Count	VCSn Analysis. Analyzer
	Beckman Coulter DXH 800 and
	DXH 900 as documented in
MO# Count	SASMEC@IIUM/PALM/INT-
	W10204 SASMEC@IIUM/PALM/I
	NT-W1I0205
EO# Count	VCSn Analysis. Analyzer
	Beckman Coulter DXH 800 and
	DXH 900 as documented in
EO# Count	SASMEC@IIUM/PALM/INT-
	W10204 SASMEC@IIUM/PALM/I
	NT-W1I0205
BA# Count	VCSn Analysis. Analyzer
	Beckman Coulter DXH 800 and
	DXH 900 as documented in
BA# Count	SASMEC@IIUM/PALM/INT-
Drun Godin	W10204 SASMEC@IIUM/PALM/I
	NT-W10205
Nucleated Red Blood Cell?s	VCSn Analysis. Analyzer
Count	Beckman Coulter DXH 800 and
Count	DXH 900 as documented in
Nucleated Red Blood Cell?s	SASMEC@IIUM/PALM/INT-
Count	W10204 SASMEC@IIUM/PALM/I
Count	NT-W10205
NRBC# Count	VCSn Analysis. Analyzer
14100# Oount	Beckman Coulter DXH 800 and
	DXH 900 as documented in
NRBC# Count	SASMEC@IIUM/PALM/INT-
NICDO# COUNT	W10204
MDW?s Count	
IND AA 12 COULL	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and
	DXH 900 as documented in
	DALL 300 as documented in

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MDW?s Count	SASMEC@IIUM/PALM/INT- W10204 SASMEC@IIUM/PALM/I NT-W10205
Retic?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Retic?s Count	SASMEC@IIUM/PALM/INT- W10204
Glucose-6-phosphate dehydrogenase deficiency (G6PD) screening	Spot fluorescence test method as documented in; SASMEC@IIUM/PALM/HAE-WP01 SASMEC@IIUM/PALM/HAE-WI10102
Full blood picture with clinical interpretation	Slide preparation and routine staining: (Automated) as documented in; SASMEC@IIUM/PALM/HAE-WI0101/W10105 Haematology Slide Stainer Cytocentrifuge User's Manual
Haemoglobin analysis (HbA, HbA2, HbF, Hb variant)	Quantitation of HbA, HbA2, HbF, Hb variant: High Performance Liquid Chromatography (HPLC) method as documented in SASM EC@IIUM/PALM/HAE-WP02 SASMEC@IIUM/PALM/HAE- WI10203/ BioRad Variant II Haemoglobin Testing System User?s Manual
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)	Hb H inclusion bodies
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 Manual

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