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LABORATORY LOCATION:	Makmal Kesihatan Awam Ipoh
(PERMANENT LABORATORY)	Jalan Jelapang, 30200 Ipoh, Perak. , 30200, PERAK MALAYSIA
ACCREDITED SINCE :	19 MARCH 2025
FIELD(S) OF MEDICAL TESTING:	CHEMICAL PATHOLOGY
	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	Makmal Kesihatan Awam Ipoh Jalan Jelapang, 30200 Ipoh, Perak. , 30200, Perak
FIELD(S) OF MEDICAL TESTING:	CHEMICAL PATHOLOGY, MEDICAL MICROBIOLOGY

SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Plasma	Glucose	Automation / Cobas 6000
		analyzer series module C501 as
		documented in
		MKAI/SP/BKM/WI-01
	Activated Partial	Clotting method by Sysmex
		CA104 as
	Thromboplastin Time	documented in Haematology
		Procedure Manual
	(APTT)	Chapter YP151
	Prothrombin Time (PT)	Clotting method by Sysmex CA104 as
	None	
	None	documented in Haematology Procedure Manual
	None	
	None INR	Chapter YP152
	IINK	Photo-optical clot
		reaction/CS2500 (2) as
		documented in PT/INR SOP
	APTT	(GPQD/HAE/SOP-33)
	APTI	Photo-optical clot
		reaction/CS2500 (2) as
		documented in APTT SOP
	File wine a second	(GPQD/HAE/SOP-37)
	Fibrinogen	Photo-optical clot
		reaction/CS2500 (2) as
	File single and a	documented
	Fibrinogen	in Fibrinogen SOP
	Lunus Antinon sulput	(GPQD/HAE/SOP-35)
	Lupus Anticoagulant	Photo-optical clot
		reaction/CS2500 (2) as
	L Auting a sulput	documented
	Lupus Anticoagulant	in SOP (GPQD/HAE/SOP-1)
	Antithrombin III	Photo-optical clot
		reaction/CS2500 (2) as
	A satisfic was made to 111	documented
	Antithrombin III	in Antithrombin II]
		GPQD/HAE/SOP-2

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Protein C Photo-optical clot reaction/CS2500 (2) as documented Protein C Protein S Photo-optical clot reaction/CS2500 (2) as documented Protein S Protein S Photo-optical clot reaction/CS2500 (2) as documented Protein S In Protein S GPQD/HAE/SOP-3 Factor V Leiden Protein S GPQD/HAE/SOP-6 Factor V Leiden GPQD/HAE/SOP-6 HIV-1 RNA Quantitative Real-Time PCR/Alinity M System (1 as HIV-1 RNA Quantitative GPQD/MOL/SOP-19 HBV DNA Quantitative Real-Time PCR/Alinity M System (1 as HBV DNA Quantitative Real-Time PCR/Alinity M System (1 as HCV RNA Quantitative Real-Time PCR/Alinity M System (1 as HCV RNA Quantitative Real-Time PCR/Alinity M System (1 as HCV RNA GREAL-Time PCR/Alinity M System (1 as HCV	react	tion/CS2500 (2) as
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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 Gelcard as DAT documented in GPQD/HAE/SOP-45 and		
Iron 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 Gelcard as documented in GPQD/HAE/SOP-45 and		
Glucose Canal Service Photometry hexokinase/Cobas can as can as documented electronically in Roche COBAS Glucose LINK/COBAS can 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 Gelcard as documented in GPQD/HAE/SOP-45 and		
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 Gelcard as DAT documented in GPQD/HAE/SOP-45 and		
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 Gelcard as DAT documented in GPQD/HAE/SOP-45 and		•
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 Gelcard as DAT documented in GPQD/HAE/SOP-45 and		
Glucose LINK/COBAS c311 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 Gelcard as DAT documented in GPQD/HAE/SOP-45 and		,
INR Clotting scattered light detection method/Sysmex APTT Ca-660 as documented in GPQD/HAE-SSOP- 43/CA600 Operating Procedure Blood Group GPQD/HAE/SOP-47 and GPQD/HAE/SOP-48 DAT Direct agglutination/Diamed Gelcard as DAT documented in GPQD/HAE/SOP-45 and		
method/Sysmex 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 Gelcard as DAT documented in GPQD/HAE/SOP-45 and		
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 Gelcard as DAT documented in GPQD/HAE/SOP-45 and		•
GPQD/HAE-SSOP- 43/CA600 Operating Procedure Blood Group GPQD/HAE/SOP-47 and GPQD/HAE/SOP-48 DAT Direct agglutination/Diamed Gelcard as DAT documented in GPQD/HAE/SOP-45 and		·
APTT 43/CA600 Operating Procedure Blood Group GPQD/HAE/SOP-47 and GPQD/HAE/SOP-48 DAT Direct agglutination/Diamed Gelcard as DAT documented in GPQD/HAE/SOP-45 and		
Blood Group GPQD/HAE/SOP-47 and GPQD/HAE/SOP-48 DAT Direct agglutination/Diamed Gelcard as DAT documented in GPQD/HAE/SOP-45 and		,
DAT GPQD/HAE/SOP-48 Direct agglutination/Diamed Gelcard as DAT documented in GPQD/HAE/SOP-45 and		
DAT Direct agglutination/Diamed Gelcard as DAT documented in GPQD/HAE/SOP-45 and	•	·
DAT documented in GPQD/HAE/SOP-45 and		
DAT documented in GPQD/HAE/SOP-45 and		
GPQD/HAE/SOP-45 and		
DAT GPUJI/HAF/SUP-48		
2 OI QD/II/L/001 TO	DA1 GPQ	(D/TIAE/SUF -40

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Antibody Screen	Agglutination with Panel cells/ Diamed Gel-card as
Antibody Screen	documented in
Allibody Scieeli	GPQD/HAE/SOP-53 and
Antihody Caroon	GPQD/HAE/SOP-93 and GPQD/HAE/SOP-48
Antibody Screen	
Cross-match	Major cross match/ Diamed Gel-
	card as documented
Cross-match	in 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
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
0.0000	as documented
Glucose	electronically in Roche C311
Procalcitonin	Immunoelectrochemiluminescenc
1 Todalokomii	e/Cobas e144 as
Procalcitonin	documented electronically in
1 Todalokomii	Roche COBAS
INR	Clotting method-turbo
	densitometric photo-optical
INR	measuring principle/Sysmex CA
IIVIX	104 as
INR	documented in
IIVIX	(GPQD/HAE/SOP-42)
G6PD Screen	,
G6PD Screen	nan
GULD SCIERII	Fluorescence Immunoassay as
D Dimor	documented in D Dimer SOP
D-Dimer	
Dia a d Codtour	(GPQD/HAE/SOP-36)
Blood Culture	9240) fluorescent method as
DI 10 II	documented in
Blood Culture	SL/LAB/S3.1 and BD BACTEC
	9240 Manual

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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 (PCR) and
Integrase	Population-based Genome Sequencing /
Integrase	Eppendorf Mastercycler X50s 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
	documented in
Carnitine (Total & Free)	IMR/SDC/BC/SOP-3/ Spectrophotometer
Glycosaminoglycans	Complex with Dimethylmethylene Blue (DMB)
(GAG) Quantitation	as documented in 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
Coagulation:	Clotting (optical) Method/Sysmex CS1600 As documented in
Prothrombin time (PT)	HSNI/PAT/HM/TPM/VER3/2019/ 02 HSNI/PAT/HM/AK/VER3/2019/04

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Activated Partial	HSNI/PAT/HM/TPM/VER3/2019/ 03
Thromboplastin Time (APTT)	HSNI/PAT/HM/AK/VER3/2019/04
Ammonia	GLDH ? UV on Beckman Coulter
	AU5800 as documented in
	HS/JP/W1 (CP;07)-024 Test on
	Beckman Coulter AU5800
Lactate	Enzymatic LOD-POD on
	Beckman Coulter AU5800 as
	documented in HS/JP/WI
	(CP;07)- 024 Test on Beckman
	Coulter AU 5800
Mycophenolic Acid	EMIT on Viva E (Siemens) as
Wycophichialia Acid	documented in HS/JP/WI
	(CP:07)- 014 Test on VIVA E
	(Siemens)
Prothrombin Time (PT)	Clotting Activity
FIGURIORISM TIME (FT)	HS/JP/W1(HM:08)- 007
Activated Partial Thromboplastin	Clotting Activity
•	HS/JP/W1(HM:08)- 007
Time (APTT)	` ,
Fibrinogen Estimations (FIB)	Clotting Activity
leterestica al Nerra dia ed Detic	HS/JP/W1(HM:08)- 007
International Normalised Ratio	Clotting Activity
(INR)	HS/JP/W1(HM:08)- 007
D-Dimer Quantitative	Change in turbidity of a
	microparticle suspension
Consulation Missing Toots	measured by photometry
Coagulation Mixing Test: APTT/PT	Clotting Activity
Ammonia	HS/JP/W1(HM:08)- 017 Glutamate Dehydrogenase as
Ammonia	documented in Arahan Kerja
	Pengendalian Ujian Pada Alinity
	(HTPG/JP/CHM/AK-02)
Lactate (LacticAcid)	Lactic Acid to Pyruvate (L to P)
Lactate (LacticAcid)	as documented in Arahan Kerja
	Pengendalian Ujian Pada Alinity
	(HTPG/JP/CHM/AK-02)
PT/ INR	Mechanical clot detection
PT/ INR	Analyser: Stago Compact/ Max
1 1/ IIVIX	All methods and specifications as
	documented in
	HTPG/JP/HEM/AK-04
APTT	Mechanical clot detection
APTT	Analyser: Stago Compact/ Max
	All methods and specifications as
	documented in
	HTPG/JP/HEM/AK-05
Fibrinogen	Clauss method Analyser: Stago
i ioilliogeli	Compact/ Max All methods and
	specifications as documented in
	HTPG/JP/HEM/AK-06
	ITTEG/JF/HEIVI/AK-UD

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	D-Dimer	Turbidimetry Analyser: Stago 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	Total Cholesterol Triglyceride	Automation / Cobas 6000
		analyzer series module C501 as
		documented in
	LIBL OL L	MKAI/SP/BKM/WI-01
	HDL Cholesterol	None
	LDL Cholesterol	None
	Total Protein Albumin	None
		None
	Globulin	None
	Ratio Total Bilirubin	None None
	Direct Bilirubin	None
	Alkaline Phosphatase (ALP)	None
	Alanine Aminotransferase (ALT)	Automation / Cobas 6000
	Aspartate Aminotransferase (AST)	analyzer series module C501 as
	Aspartate Aminotransierase (AOT)	documented in
		MKAI/SP/BKM/WI-01
	Urea Nitrogen	None
	Creatinine	None
	Sodium	None
	Potassium	None
	Chloride	None
	Calcium	None
	Phosphorus	None
	Uric Acid	None
	Free T4 TSH	Automation / Cobas 6000
		analyzer series module E601 as
		documented in
		MKAI/SP/BKM/WI-02
	Dengue typing	Molecular Detection / RT qPCR / As
	Dengue typing	documented in
		MKAI/SP/MOL/WI-03
	Tacrolimus	ECLIA method/ Cobas e801 (6)
		as documented
	Tacrolimus	electronically in Roche Cobas LINK/Cobas e801
	AFP (Down	ECLIA method/Cobas e801 (6) as documented
	Syndromeftriple test)	electronically in Roche Cobas LINK/Cobas e801

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Carbamazepine	Homogenous microparticle agglutination
Carbamazepine	immunoassay/Cobas c502 (4) as
Carbarnazopino	documented
Carbamazepine	electronically in Roche Cobas
Сагрападерше	LINK/Cobas c502
Disavis	
Digoxin	Kinetic interaction of
<u> </u>	microparticles (KIMS)/Cobas
Digoxin	c502 (4) as documented
	electronically in Roche
Digoxin	Cobas LINK/ Cobas c502
Gentamycin	Kinetic interaction of
	microparticles in a solution/
Gentamycin	COBAS c502(4) as documented
	electronically in
Gentamycin	Roche COBAS c502
Phenobarbital	Kinetic interaction of
	microparticles (KIMS)/Cobas
Phenobarbital	c502 (4) as documented
	electronically in Roche
Phenobarbital	Cobas LINK/ Cobas c502
Phenytoin	Kinetic interaction of
Thoriytom	microparticles in a
Phenytoin	solution/Cobas c502 (4)
Fileflytolii	documented as
Dhantain	
Phenytoin	electronically in Roche Cobas
	c502
Theophyline	Kinetic interaction of
	microparticles in a
Theophyline	solution/Cobas c502 (4)
	documented as
Theophyline	electronically in Roche Cobas c502
Valproic Acid	Kinetic interaction of
·	microparticles in a
Valproic Acid	solution/Cobas c502 (4)
	documented as
Valproic Acid	electronically in Roche Cobas
valprole / told	c502
Vancomycin	Kinetic interaction of
variconfych	
Vancomycin	microparticles in a solution/Cobas c502 (4)
vancomycin	` '
Managara da	documented as
Vancomycin	electronically in Roche Cobas c502
Alanine	Colourimetry - Tris Buffer (IFCC
	w/o pyridoxal
Aminotransferase	phosphate)/Cobas c702 (4) as
,	documented
Aminotransferase	
Aminonansierase	electronically in Roche Cobas
	LINK/Cobas c702

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Albumin	Colourimetry - Tris Buffer (IFCC
	w/o pyridoxal
Albumin	phosphate)/Cobas c702 (4) as documented
Albumin	electronically in Roche Cobas
	LINK/Cobas c702
Albumin	Colourimetry - AMP Buffer - Rate (IFCC)/Cobas
Alkaline Phosphatase	c702(4) as documented
Alkaline Phosphalase	electronically in Roche
Alkaline Phosphatase	Cobas LINK/Cobas c702
Alpha-1-Antitripsin	mmunoelectrochemiluminescenc
7 apria 1 7 anatripolit	e/Cobas c502
Alpha-1-Antitripsin	(4) as documented electronically
·	in Roche Cobas
Alpha-1-Antitripsin	LINK/Cobas c502
Anti-Mullerian	mmunoelectrochemiluminescenc
	e/Cobas e801
Hormone (AMH)	(6) as documented electronically
Homone (Ami)	in Roche Cobas
Harmana (AMH)	LINK/Cobas e801
Hormone (AMH)	
Apo A	mmunoturbidimetric/Cobas c502 (4) as
Аро А	documented electronically in
•	Roche Cobas LINK/
Аро А	Cobas c502
Аро В	mmunoturbidimetric/Cobas as
Аро В	documented electronically in
7.400 12	Roche COBAS
Аро В	LINK/COBAS c502
Aspartate	Colourimetry - Tris Buffer (IFCC
Aspartate	w/o pyridoxal
Aminotransferase	phosphate)/Cobas c702(4)
	documented as
Aminotransferase	electronically in Roche COBAS
	LINK/COBAS c702
Bicarbonate	Colourimetry - Enzymatic
2.04.00.14.0	(PEPC)/Cobas c502(4)
Bicarbonate	as documented electronically in
Bicarbonate	Roche COBAS
Bicarbonate	LINK/COBAS c502
	Immunoelectrochemiluminescenc
Beta Cross Laps	e/Cobas e801
Beta Cross Laps	(6) as documented electronically
	in Roche Cobas
Beta Cross Laps	LINK/Cobas e801
Total Bilirubin	Colourimetry -" Diazonium
	Salt/Cobas c702 (4) as
Total Bilirubin	
ו טומו שוווישטווו	documented electronically in
Tatal Dilimits	Roche Cobas LINK/
Total Bilirubin	Cobas c702

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C3	Immunoturbidimetric/Cobas c502
	(4) as
C3	documented electronically in
	Roche Cobas LINK/
C3	Cobas c502
C4	Immunoturbidimetric/Cobas c502
	(4) as
C4	documented electronically in
	Roche Cobas LINK/
C4	Cobas c502
Cholesterol	Colourimetry Cholesterol a
Cholesterol	Oxidase/Peroxidase/Cobas c702
	(4) as
Cholesterol	documented electronically in
	Roche Cobas LINK/
Cholesterol	Cobas c702
FBHCG	Immunoelectrochemiluminescenc
	e/Cobas e801
FBHCG	(6) as documented electronically
	in Roche Cobas
FBHCG	LINK/Cobas e801
Gamma GT	Colourimetric - g - glutamyl - 3 -
	carboxy -"
Gamma GT	nitro/Cobas c702 (4) documented
	as
Gamma GT	electronically in Roche Cobas
	LINK/ Cobas c702
Growth Hormone	Immunoelectrochemiluminescenc
	e/Cobas e801
Growth Hormone	(6) as documented electronically
	in Roche Cobas
Growth Hormone	LINK/Cobas e801
Total HCG	Immunoelectrochemiluminescenc
	e/Cobas e801
Total HCG	(6) as documented electronically
	in Roche Cobas
Total HCG	LINK/Cobas e801
Neonatal Bilirubin	APEL Bilirubin Tester based on
	dual wavelength
Neonatal Bilirubin	absorbance/ in Bilirubinmeter
	BR-5200 (1) as
Neonatal Bilirubin	documented in user manual
HDL - Chol	Colourimetry Non sep
	DxSo4/PEG mod
HDL - Chol	enzymes/Cobas c702 (4) as
	electronically in
HDL - Chol	Roche Cobas LINK/Cobas c702
Homocysteine	Colourimetric -" Enzymatic/Cobas
Tiomocystome	c702 (4) as
Homocysteine	documented electronically in
Tiomocystome	Roche Cobas LINK/
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Homocysteine	Cobas c702
IGA	Immunoturbidimetric/Cobas c502
	(4) as
IGA	documented electronically in
	Roche Cobas LINK/
IGA	Cobas c502
IGE	Immunoelectrochemiluminescenc
.02	e/Cobas c502
IGE	(4) as documented electronically
	in Roche Cobas
IGE	LINK/Cobas c502
IGF-1	Immunoelectrochemiluminescenc
10. 1	e/Cobas e801
IGF-1	(6) as documented electronically
101 1	in Roche Cobas
IGF-1	LINK/Cobas e801
IGG	Immunoturbidimetric/Cobas c502
100	
IGG	(4) as
166	documented electronically in
100	Roche Cobas LINK/
IGG	Cobas c502
IGM	Immunoturbidimetric/Cobas c502
	(4) as
IGM	documented electronically in
	Roche Cobas LINK/
IGM	Cobas c502
Insulin	Immunoelectrochemiluminescenc
	e/Cobas e801
Insulin	(6) as documented electronically
	in Roche Cobas
Insulin	LINK/Cobas e801
nan	Colourimetry FerroZine without
nan	deproteinization/Cobas c502 (4)
	as documented
nan	electronically in Roche Cobas
Tidii	LINK/Cobas c502
Lactate Dehydrogenase	Colourimetric -" Rate to P/Cobas
Lactate Deriyarogenase	c502 (4) as
Lactate Dehydrogenase	documented electronically in
Lactate Deliyulogenase	-
Lastata Dahudrananaa	Roche Cobas LINK/
Lactate Dehydrogenase	Cobas c502
LH	Immunoelectrochemiluminescenc
111	e/Cobas e801 (6)
LH	as documented electronically in
	Roche Cobas LINK/
LH	Cobas e801
Lipase	Colourimetry - Glutaric acid
	ester/Cobas c502 (4) as
Lipase	documented electronically in
	Roche Cobas LINK/
Lipase	Cobas c502

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Lipoprotein (a)	Immunoturbidimetric/Cobas c502
	(4) as documented
Lipoprotein (a)	electronically in Roche Cobas
	LINK/Cobas c502
Lp(a) NT-pro BNP	Immunoelectrochemiluminescenc
,	e/Cobas e801 (6)
Lp(a) NT-pro BNP	as documented electronically in
,	Roche Cobas LINK/
Lp(a) NT-pro BNP	Cobas e801
Oestradiol	Immunoelectrochemiluminescenc
	e/Cobas e801 (6)
Oestradiol	as documented electronically in
	Roche Cobas
Oestradiol	LINK/Cobas e801
Progesterone	Immunoelectrochemiluminescenc
	e/Cobas e801 (6)
Progesterone	as documented electronically in
	Roche Cobas
Progesterone	LINK/Cobas e801
Prolactine	Immunoelectrochemiluminescenc
	e/Cobas e801 (6)
Prolactine	as documented electronically in
	Roche Cobas LINK/
Prolactine	Cobas e801
Testosterone	Immunoelectrochemiluminescenc
	e/Coba e801 (6)
Testosterone	as documented electronically in
	Roche Cobas LINK/
Testosterone	Cobas e801
Thyroglobulin	Immunoelectrochemiluminescenc
	e/Cobas e801 (6)
Thyroglobulin	as documented electronically in
	Roche Cobas LINK/
Thyroglobulin	Cobas e801
Total Protein	Colourimetry Biuret/Cobas c702
	(4) as
Total Protein	documented electronically in
	Roche Cobas
Total Protein	LINK/Cobas c702
Transferin	Immunoturbidimetric/Cobas c502
	as documented
Transferin	electronically in Roche Cobas
	LINK/Cobas c502
Triglycerides	Colourimetry -" Lipase / Glycerol
	kinase / GPO-
Triglycerides	PAP/Cobas c702 (4) as
	documented electronically
Triglycerides	in Roche Cobas LINK/Cobas
	c702
Vitamin B12	Immunoelectrochemiluminescenc
	e/Cobas e801

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Vitamin B12	(6) as documented electronically
	in Roche Cobas
Vitamin B12	LINK/Cobas e801
Vitamin D	Immunoelectrochemiluminescenc
	e/Cobas e801(6)
Vitamin D	as documented electronically in
	Roche Cobas
Vitamin D	LINK/Cobas e801
PAPP-A (Pregnancy	Immunoelectrochemiluminescenc
	e/Cobas e801
Associate Plasma	(6) as documented electronically
	in Roche Cobas
Protein A)	LINK/Cobas e801
Rheumatoid Factor	Immunoturbidimetric/Cobas c702
DI COLE	(4) as
Rheumatoid Factor	documented electronically in
DI COLE	Roche Cobas
Rheumatoid Factor	LINK/Cobas c702
Direct LDL	Colourimetry Non sep
D: 4151	DxSo4/PEG mod -
Direct LDL	enzymes/Cobas c502 (4) as
D: 4151	electronically in
Direct LDL	Roche Cobas LINK/Cobas c502
Troponin T-HS	Immunoelectrochemiluminescenc
	e/Cobas e801
Troponin T-HS	(6) as documented electronically
T . T.10	in Roche Cobas
Troponin T-HS	LINK/Cobas e801
TSH	Immunoelectrochemiluminescenc
TOLL	e/Cobas e801
TSH	(6) as documented electronically
TOLL	in Roche Cobas LINK/Cobas e801
TSH	Immunoelectrochemiluminescenc
AFP	
AED	e/Cobas e801
AFP	(6) as documented electronically
AED	in Roche Cobas
AFP CA 12-5	LINK/Cobas e801 Immunoelectrochemiluminescenc
CA 12-5	e/Cobas e801
CA 12-5	
CA 12-5	(6) as documented electronically in Roche Cobas
CA 12-5	LINK/Cobas e801
CA 15-3	Immunoelectrochemiluminescenc
OA 10-3	e/Cobas e801
CA 15-3	(6) as documented electronically
OA 10-0	in Roche Cobas
CA 15-3	LINK/Cobas e801
CA 19-9	Immunoelectrochemiluminescenc
OA 19-9	e/Cobas e801
	C/OUDAS GOUT

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CA 19-9	(6) as documented electronically
	in Roche Cobas
CA 19-9	LINK/Cobas e801
CEA	Immunoelectrochemiluminescenc
	e/Cobas e801
CEA	(6) as documented electronically
	in Roche Cobas
CEA	LINK/Cobas e801
PSA - Free	Immunoelectrochemiluminescenc
	e/Cobas e801
PSA - Free	(6) as documented electronically
	in Roche Cobas
PSA - Free	LINK/Cobas e801
PSA - Total	Immunoelectrochemiluminescenc
	e/Cobas e801
PSA - Total	(6) as documented electronically
	in Roche Cobas
PSA - Total	LINK/Cobas e801
Leptospira IgM	Rapid Chromatographic
	Immunoassay/Manual as
Leptospira IgM	documented in
	GPQD/SER/SOP-6
Cardiolipin IgG / M	ELISA/Euroimmune (1) as
	documented in 1-2P-
antibodies	(GPQD/SER/SOP-4)
Anti Nuclear Ab	Indirect
	Immunofluorescence/Euroimmun
	(1) as
Anti Nuclear Ab	documented in
	GPQD/SER/SOP-14 &
Anti Nuclear Ab	GPQD/SER/SOP-1
Anti Streptolysin O	Immunoturbidimetric/Cobas
	c502(4) as documented
(ASOT)	electronically in Roche Cobas
	LINK/Cobas c502
Autoantibodies	Immunofluorescence/Euroimun
	(1) as documented in
#NAME?	AUT (GPQD/SER/SOP-14) &
	(GPQD/SER/SOP-1)
#NAME?	nan
Widal & Weil Felix	Agglutination, stained febrile
	antigen/Manual as
Widal & Weil Felix	documented in WWF
T A (!) !! 0 TD0	(GPQD/SER/SOP-21)
Tg Antibodies & TPO	Immunoelectrochemiluminescenc
	e/Cobas e801(6) as
antibodies	documented electronically in
	Roche COBAS
antibodies	LINK/COBAS e801
P24Ag	Immunoelectrochemiluminescenc
	e/Cobas e801(6) as

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P24Ag	documented electronically in
	Roche Cobas LINK/
P24Ag	Cobas e801
Anti ds-DNA	ELISA/Euroimmun (1) as
	documented in dsDNA
Anti ds-DNA	Euroimmun (GPQD/SER/SOP-4)
Antibodies to	Immunoblot/Euroimmun (1)
	documented in as
Extractable Nuclear	GPQD/SER/SOP-26
Antigen screening	nan
Rapid TB antibody test	Rapid Chromatographic
	immunoassay/Manual as
Rapid TB antibody test	documented in MTA
	(GPQD/SER/SOP-2)
Chlamydia IgM	ELISA/Manual as documented in
_	GPQD/SER/SOP-5
Chlamydia IgM	Chemiluminescence
, ,	Immunoassay/Diasorin XL (2) as
Chlamydia IgG	documented in Operator Manual
AFP	Electrochemiluminescence
	assay/ Roche Cobas
AFP	(e601, e411) as documented
	electronically in
AFP	COBAS LINK/Roche COBAS
CEA	Electrochemiluminescence
02/1	assay/ Roche Cobas
CEA	(e601, e411) as documented
3 -	electronically in
CEA	COBAS LINK/Roche COBAS
PSA -" Total	Electrochemiluminescence
7 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	assay/ Roche Cobas
PSA -" Total	(e601, e411) as documented
7 07 1 otal	electronically in
PSA -" Total	COBAS LINK/Roche COBAS
Free T3	Electrochemiluminescence
1166 16	assay/ Roche Cobas
Free T3	(e601, e411) as documented
1166 13	electronically in
Free T3	COBAS LINK/Roche COBAS
Free T4	Electrochemiluminescence
116614	assay/ Roche Cobas
Free T4	(e601, e411) as documented
	, ,
Croo T4	electronically in
Free T4 TSH	COBAS LINK/Roche COBAS Electrochemiluminescence
1017	
TOU	assay/ Roche Cobas
TSH	(e601, e411) as documented
TOU	electronically in
TSH	COBAS LINK/Roche COBAS
HCG	Electrochemiluminescence
	assay/ Roche Cobas

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HCG	(e601, e411) as documented
	electronically in
HCG	COBAS LINK/Roche COBAS
CA 19-9	Electrochemiluminescence
	assay/ Roche Cobas
CA 19-9	(e601, e411) as documented
	electronically in
CA 19-9	COBAS LINK/Roche COBAS
CA 15-3	Electrochemiluminescence
	assay/ Roche Cobas
CA 15-3	(e601, e411) as documented
	electronically in
CA 15-3	COBAS LINK/Roche COBAS
CA 15-3	Electrochemiluminescence
	assay/ Roche Cobas
CA125	(e601, e411) as documented
	electronically in
CA125	COBAS LINK/Roche COBAS
Alanine	Photometry, IFCC without
	PYP/Roche Cobas (c501,
Aminotransferase	c311) as documented
	electronically in
Aminotransferase	COBAS LINK/Roche COBAS
Albumin	Photometry, BCG/ Roche Cobas
7 110 0111111	(c501, c311)
Albumin	documented electronically in
7 110 0111111	Roche COBAS
Albumin	LINK/Roche COBAS
Alkaline Phosphatase-	Photometry, IFCC /Roche Cobas
7 intainie i riespriataes	(c501, c311) as
AMP.	documented electronically in
	Roche COBAS
AMP.	LINK/Roche COBAS
Aspartate	Photometry, IFCC without
	PYP/Roche Cobas (c501,
Aminotransferase	c311) as documented
7	electronically in Roche
Aminotransferase	COBAS LINK/Roche COBAS
Bilirubin-Total	Photometry Colorimetric Diazo/
Ziiii doiii Totai	Roche Cobas
Bilirubin-Total	(c501, as documented
Dill doll Total	electronically in
Bilirubin-Total	COBAS LINK/Roche COBAS
Gamma GT	Photometry IFCC/Roche Cobas
	(c501, c311)
Gamma GT	documented electronically in
	Roche COBAS
Gamma GT	LINK/Roche COBAS
Total Protein	Photometry Biuret/Roche Cobas
	(c501, c311)
	(0001, 0011)

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Total Protein	documented electronically in
	Roche COBAS
Total Protein	LINK/Roche COBAS
Cholesterol	Photometry CHOD-PAP/ Roche
	Cobas (c501,
Cholesterol	as documented electronically in
	Roche COBAS
Cholesterol	LINK/Roche COBAS
HDL Cholesterol	Photometry enzymatic
	colorimetric/Roche Cobas
HDL Cholesterol	(c501, c311) as documented
1151 61 1 1	electronically in
HDL Cholesterol	COBAS LINK/Roche COBAS
Triglycerides	Photometry GPO-PAP/ Roche
	Cobas (c501,
Triglycerides	as documented electronically in
	Roche COBAS
Triglycerides	LINK/Roche COBAS
Creatinine	Photometry Jaffe rate-blank and
	compensated
Creatinine	Roche Cobas (c501, as
	documented
Creatinine	electronically in Roche COBAS
Creatinine	COBAS
Calcium	Photometry BAPTA/Roche
	Cobas (c501, c311) as
Calcium	documented electronically in
	Roche COBAS
Calcium	LINK/Roche COBAS
Inorganic Phosphate	Photometry molybdate UV/
	Roche Cobas (c501,
Inorganic Phosphate	c311) as documented
	electronically in
Inorganic Phosphate	COBAS LINK/Roche COBAS
Urea	Photometry Urase/GLDH/Roche
	Cobas (c501,
Urea	c311) as documented
I I a a	electronically in Roche
Urea	COBAS LINK/Roche COBAS
Uric Acid	Photometry Enzymatic
11	colorimetric Roche Cobas
Uric Acid	(c501, c311) as documented
	electronically in
Uric Acid	COBAS LINK/Roche COBAS
Sodium	lon selective electrode
	measurements, ISE indirect/
Sodium	Roche Cobas (c501, as
	documented
Sodium	electronically in Roche COBAS
Sodium	COBAS

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Potassium	selective electrode
	measurements, ISE
Potassium	indirect/ Roche Cobas (c501, as
Potassium	documented electronically in
	Roche COBAS
Potassium	LINK/Roche COBAS
Chloride	selective electrode
	measurements, ISE
Chloride	indirect Roche Cobas (c501,
	c311) as documented
Chloride	electronically in Roche
Chloride	COBAS
Glucose	Photometry Hexokinase/Roche
	Cobas (c501,
Glucose	c311) as documented
	electronically in Roche
Glucose	COBAS LINK/Roche COBAS
Rheumatoid Factor	Photometry,
	Immunoturbidimetric/Roche
	Cobas
Rheumatoid Factor	(c501, c311) as documented
	electronically in
Rheumatoid Factor	Roche COBAS LINK/Roche
	COBAS
Rheumatoid Factor	FerroZine/ Roche Cobas (c501,
	c311) as
Rheumatoid Factor	documented electronically in
	Roche COBAS
Rheumatoid Factor	LINK/Roche COBAS
AFP	Immunoelectrochemiluminescenc
	e/Cobas e601 as
AFP	documented electronically in
	Roche COBAS
AFP	LINK/COBAS 6000
CEA	Immunoelectrochemiluminescenc
	e/Cobas e601 as
CEA	documented electronically in
	Roche COBAS
CEA	LINK/COBAS 6000
PSA Total	Immunoelectrochemiluminescenc
	e/Cobas e601 as
PSA Total	documented electronically in
	Roche COBAS
PSA Total	LINK/COBAS 6000
Free T3	Immunoelectrochemiluminescenc
	e/Cobas e601 as
Free T3	documented electronically in
	Roche COBAS
Free T3	LINK/COBAS 6000
Free T4	Immunoelectrochemiluminescenc
	e/Cobas e601 as
	3, 23540 0001 40

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Free T4	documented electronically in
	Roche COBAS
Free T4	LINK/COBAS 6000
TSH	Immunoelectrochemiluminescenc
	e/Cobas e601 as
TSH	documented electronically in
	Roche COBAS
TSH	LINK/COBAS 6000
HCG	Immunoelectrochemiluminescenc
	e/Cobas e601 as
HCG	documented electronically in
	Roche COBAS
HCG	LINK/COBAS 6000
Alanine	Colourimetry - Tris Buffer (IFCC
	w/o pyridoxal
Aminotransferase	phosphate)/Cobas c501
	documented as
Aminotransferase	electronically in Roche COBAS
	LINK/COBAS 6000
Albumin	Colourimetry - Tris Buffer (IFCC
	w/o pyridoxal
Albumin	phosphate)/Cobas c501
	documented as
Albumin	electronically in Roche COBAS
	LINK/COBAS 6000
Alkaline Phosphatase-	Colourimetry - AMP Buffer - Rate
·	(IFCC) as/Cobas
AMP	c501 documented electronically
	in Roche COBAS
AMP	LINK/COBAS 6000
Aspartate	Colourimetry - Tris Buffer (IFCC
•	w/o pyridoxal
Aminotransferase	phosphate)/Cobas c501
	documented as
Aminotransferase	electronically in Roche COBAS
	LINK/COBAS 6000
Bilirubin-Total	Colourimetry -" Diazonium
	Salt/Cobas c501 as
Bilirubin-Total	documented electronically in
	Roche COBAS
Bilirubin-Total	LINK/COBAS 6000
Direct Bilirubin	Colourimetry -" Diazo/Cobas
	c501 as documented
Direct Bilirubin	electronically in Roche COBAS
	LINK/COBAS 6000
Gamma GT	Colourimetric - g - glutamyl - 3 -
	carboxy -"
Gamma GT	nitro/Cobas c501 as documented
	electronically in
Gamma GT	Roche COBAS LINK/COBAS
	6000
	-

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Total Protein	Colourimetry Biuret/c501
	documented as
Total Protein	electronically in Roche COBAS
	LINK/COBAS 6000
Cholesterol	Colourimetry Cholesterol Oxidase
	/
Cholesterol	Peroxidase/Cobas c501
	documented as
Cholesterol	electronically in Roche COBAS
	LINK/COBAS 6000
HDL Cholesterol	Colourimetry Non sep
	DxSo4/PEG mod
HDL Cholesterol	enzymes/Cobas c501 as
	documented electronically
HDL Cholesterol	in Roche COBAS LINK/COBAS
	6000
Triglycerides	Colourimetry -" Lipase / Glycerol
	kinase /
Triglycerides	GPO-PAP/Cobas c501
	documented as
Triglycerides	electronically in Roche COBAS
	LINK/COBAS 6000
Urea	Colourimetry -" Urease -"
	Rate/c501 as documented
Urea	electronically in Roche COBAS
	LINK/COBAS 6000
Uric Acid	Colourimetry Enzymatic
	(Uricase)/c501 as
Uric Acid	documented electronically in
	Roche COBAS
Uric Acid	LINK/COBAS 6000
Sodium	Indirect ISE/Cobas c501
	documented as
Sodium	electronically in Roche COBAS
	LINK/COBAS 6000
Potassium	Indirect ISE/Cobas c501
	documented as
Potassium	electronically in Roche COBAS
	LINK/COBAS 6000
Chloride	Indirect ISE/Cobas c501
	documented as
Chloride	electronically in Roche COBAS
	LINK/COBAS 6000
CKMB	Colourimetry -"
	Immunoinhibition/Cobas c501 as
CKMB	documented electronically in
	Roche COBAS
CKMB	LINK/COBAS 6000
Creatine Kinase	Colourimetry NAC Activator /
C. Califo Milado	Imidozole

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Creatine Kinase Creatine Kinase Creatine Kinase Cobas Link/cobas c501 electin Roche Creatine Kinase Cobas Link/cobas c501 as Colourimetric -" Rate to c501 as Lactate Dehydrogenase Colourimetry - Phitroph (IFCC)/cobas c501 4a Amylase Colourimetry - Phitroph (IFCC)/cobas c501 4a Amylase Colourimetry - Phitroph (IFCC)/cobas c501 4a Amylase Link/cobas 6000 Rheumatoid Factor Immunoturbidimetric/Cobas documented Rheumatoid Factor Rectar electronically in Roche Link/cobas 6000 Magnesium Colourimetry Xylidyl Blucton as documented electronically in Roche COBAS Magnesium Colourimetry Xylidyl Blucton as documented electronically in Roche COBAS Magnesium Colourimetry Xylidyl Blucton as documented electronically in Roche COBAS Magnesium CRP Immunoturbidimetric/Cobas 6000 CRP Immunoturbidimetric/Cobas documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirubin on Neonatal Bilirubin as documented in Bl-St	6000 P/Cobas ally in ally in bbas c501 COBAS ue/Cobas ally in
Creatine Kinase Lactate Dehydrogenase Colourimetric -" Rate to c501 as Lactate Dehydrogenase Colourimetric -" Rate to c501 as Lactate Dehydrogenase Link/Cobas 6000 Amylase Colourimetry -p-Nitroph (IFCC)/Cobas c501 4a Amylase Amylase Colourimetry -p-Nitroph (IFCC)/Cobas c501 4a Amylase Link/Cobas 6000 Rheumatoid Factor Immunoturbidimetric/Cobas documented Rheumatoid Factor Immunoturbidimetric/Cobas documented Rheumatoid Factor Immunoturbidimetric/Cobas documented Colourimetry Xylidyl Blucton as - Magnesium Colourimetry Xylidyl Blucton as - Magnesium Link/Cobas 6000 CRP Immunoturbidimetric/Cobas documented CRP Ilnk/Cobas 6000 Augnesium Colourimetry Xylidyl Blucton as documented CRP Immunoturbidimetric/Cobas documented CRP Immunoturbidimetric/Cobas documented CRP Immunoturbidimetric/Cobas documented CRP Ilnk/Cobas 6000 Augnesium Augnesiu	ally in bobas c501 COBAS ue/Cobas ally in
Lactate Dehydrogenase Colourimetric -" Rate to c501 as Lactate Dehydrogenase Lactate Dehydrogenase Link/COBAS 6000 Amylase Colourimetry -p-Nitroph (IFCC)/Cobas c501 4a Amylase documented electronical Roche COBA\ Amylase Link/COBAS 6000 Rheumatoid Factor Immunoturbidimetric/Colourimetry Xylidyl Blocker COBA\ Rheumatoid Factor Rheumatoid Factor Rheumatoid Factor Immunoturbidimetric/Colourimetry Xylidyl Blocker COBAS Magnesium Colourimetry Xylidyl Blocker COBAS Magnesium Link/COBAS 6000 CRP Immunoturbidimetric/Colourimetry Xylidyl Blocker COBAS Magnesium Link/COBAS 6000 CRP Immunoturbidimetric/Colourimetry Xylidyl Rocher COBAS Magnesium Link/COBAS 6000 Amylase CRP Immunoturbidimetric/Colourimetry Xylidyl Blocker COBAS Magnesium Link/COBAS 6000 Amylase Link/COBAS 6000 Amylase Colourimetry -p-Nitroph (IFCC)/Cobas 6000 Amylase Link/COBAS 6000 Amylase	ally in bobas c501 COBAS ue/Cobas ally in
Lactate Dehydrogenase documented electronical Roche COBAS Lactate Dehydrogenase LINK/COBAS 6000 Amylase Colourimetry -p-Nitroph (IFCC)/Cobas c501 4a Amylase documented electronical Roche COBA\ Amylase LINK/COBAS 6000 Rheumatoid Factor Immunoturbidimetric/Colourimetry Aylidyl Bluctonically in Roche LINK/COBAS 6000 Magnesium Colourimetry Xylidyl Bluctonical Roche COBAS Magnesium documented electronical Roche COBAS Magnesium LINK/COBAS 6000 CRP Immunoturbidimetric/Colourimetry Xylidyl Bluctonical Roche COBAS Magnesium LINK/COBAS 6000 CRP lectronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirubin as documented in BI-Stephen Amplication and solve the proposed selectronical Roche Cobas Bilirubin as documented in BI-Stephen LINK/COBAS 6000	nenyl ally in bbas c501 COBAS ue/Cobas ally in bnas c501
Roche COBAS Lactate Dehydrogenase Amylase Colourimetry -p-Nitroph (IFCC)/Cobas c501 4a Amylase documented electronical Roche COBA\ Amylase LINK/COBAS 6000 Rheumatoid Factor Immunoturbidimetric/Colourimetry Aylidyl Bloccontal Solution and Colourimetry Xylidyl Bloccontal Solution and	nenyl ally in bbas c501 COBAS ue/Cobas ally in bnas c501
Lactate Dehydrogenase Amylase Colourimetry -p-Nitroph (IFCC)/Cobas c501 4a Amylase documented electronical Roche COBA\ Amylase LINK/COBAS 6000 Rheumatoid Factor Immunoturbidimetric/Colourimetry Aylidyl Bloccontes Colourimetry Xylidyl Bloccontes Magnesium Colourimetry Xylidyl Bloccontes Colourimetry Xylidyl Bloccontes	cobas c501 COBAS ue/Cobas ally in
Amylase Colourimetry -p-Nitroph (IFCC)/Cobas c501 4a Amylase documented electronical Roche COBA\ Amylase LINK/COBAS 6000 Rheumatoid Factor Immunoturbidimetric/Colourimetry as documented Rheumatoid Factor Electronically in Roche LINK/COBAS 6000 Magnesium Colourimetry Xylidyl Blucc501 as - Magnesium documented electronical Roche COBAS Magnesium LINK/COBAS 6000 CRP Immunoturbidimetric/Colourimetry as documented CRP Electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirubin Neonatal Bilirubin as documented in BI-Sol	cobas c501 COBAS ue/Cobas ally in
Amylase documented electronical Roche COBA\ Amylase LINK/COBAS 6000 Rheumatoid Factor Immunoturbidimetric/Colas documented Rheumatoid Factor electronically in Roche LINK/COBAS 6000 Magnesium Colourimetry Xylidyl Bluc501 as - Magnesium documented electronical Roche COBAS Magnesium LINK/COBAS 6000 CRP Immunoturbidimetric/Colas documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirubin Neonatal Bilirubin as documented in BI-Sol	cobas c501 COBAS ue/Cobas ally in
Amylase Amylase Amylase LINK/COBAS 6000 Rheumatoid Factor Electronically in Roche LINK/COBAS 6000 Magnesium Colourimetry Xylidyl Bluc501 as - Magnesium documented electronically in Roche COBAS Magnesium LINK/COBAS 6000 CRP Immunoturbidimetric/Color as documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirubion Neonatal Bilirubin as documented in BI-Sol	cobas c501 COBAS ue/Cobas ally in
Roche COBA\ Amylase LINK/COBAS 6000 Rheumatoid Factor Immunoturbidimetric/Coas documented Rheumatoid Factor Electronically in Roche LINK/COBAS 6000 Magnesium Colourimetry Xylidyl Bluc501 as - Magnesium documented electronical Roche COBAS Magnesium LINK/COBAS 6000 CRP Immunoturbidimetric/Coas documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirubin Neonatal Bilirubin as documented in BI-So	cobas c501 COBAS ue/Cobas ally in conas c501
Amylase Rheumatoid Factor Roche COBAS 6000 Ragnesium Roche COBAS 6000 Reconstal Bilirubin Roche LINK/COBAS 6000 Reonatal Bilirubin Roche LINK/COBAS 6000 Reonatal Bilirubin Roche Bilirubin Roche Bilirubin Roche Bilirubin Roche Bilirubin Roche Bilirubin	COBAS ue/Cobas ally in onas c501
Rheumatoid Factor Rheumatoid Factor Rheumatoid Factor Rheumatoid Factor Rheumatoid Factor Rheumatoid Factor Electronically in Roche LINK/COBAS 6000 Colourimetry Xylidyl Blu c501 as - Magnesium documented electronica Roche COBAS Magnesium LINK/COBAS 6000 CRP Immunoturbidimetric/Co as documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirub on Neonatal Bilirubin as documented in BI-So	COBAS ue/Cobas ally in onas c501
Rheumatoid Factor Rheumatoid Factor Electronically in Roche LINK/COBAS 6000 Magnesium Colourimetry Xylidyl Blu c501 as - Magnesium documented electronica Roche COBAS Magnesium LINK/COBAS 6000 CRP Immunoturbidimetric/Co as documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirub on Neonatal Bilirubin as documented in BI-So	COBAS ue/Cobas ally in onas c501
LINK/COBAS 6000 Magnesium Colourimetry Xylidyl Bluc501 as - Magnesium documented electronical Roche COBAS Magnesium LINK/COBAS 6000 Immunoturbidimetric/Colouring as documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirubin on Neonatal Bilirubin as documented in BI-Sol	ally in
Magnesium Colourimetry Xylidyl Bluc501 as - Magnesium documented electronical Roche COBAS Magnesium LINK/COBAS 6000 Immunoturbidimetric/Color as documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirubin on Neonatal Bilirubin as documented in BI-So	ally in
C501 as - Magnesium documented electronical Roche COBAS Magnesium LINK/COBAS 6000 CRP Immunoturbidimetric/Cotas documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirubin on Neonatal Bilirubin as documented in BI-So	ally in
Magnesium documented electronical Roche COBAS Magnesium LINK/COBAS 6000 Immunoturbidimetric/Cotal as documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirubion Neonatal Bilirubin as documented in BI-So	onas c501
Roche COBAS Magnesium LINK/COBAS 6000 CRP Immunoturbidimetric/Cotas documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirubin Neonatal Bilirubin as documented in BI-So	onas c501
Magnesium CRP Immunoturbidimetric/Co as documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirub on Neonatal Bilirubin as documented in BI-So	
CRP Immunoturbidimetric/Coas documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirubin on Neonatal Bilirubin as documented in BI-So	
as documented CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirub on Neonatal Bilirubin as documented in BI-Se	
CRP electronically in Roche LINK/COBAS 6000 Neonatal Bilirubin dual wavelength absorbance/Apel Bilirub on Neonatal Bilirubin as documented in BI-Se	COBAS
Neonatal Bilirubin Neonatal Bilirubin LINK/COBAS 6000 dual wavelength absorbance/Apel Bilirub on Neonatal Bilirubin as documented in BI-Se	COBAS
absorbance/Apel Bilirub on Neonatal Bilirubin as documented in BI-So	
Neonatal Bilirubin on as documented in BI-Sc	
Neonatal Bilirubin as documented in BI-Se	oin based
Urine FEME Urine dipstick as docum GPQD/MIC/SOP-43	nented in
Urine FEME Urine Microscopy documents	mented in
as	
Urine FEME GPQD/MIC/SOP-12	
Urine Pregnancy Test Rapid chromatographic	;
immunoassay as	
Urine Pregnancy Test documented in	
GPQD/MIC/SOP-33	
AFP mmunoelectrochemilun	ıınescenc
e/Cobas e411 as	aller ha
AFP documented electronical Roche COBAS E411	ally If I
CEA Roche COBAS E411 CEA mmunoelectrochemilun	ninescono
e/Cobas e411 as	III ICSCELIC
CEA documented electronica	ally in
Roche COBAS E411	A11 y 11 1
PSA - Total mmunoelectrochemilun	ninescenc
e/Cobas e411 as	
PSA - Total documented electronica	ally is
Roche COBAS E411	ally III

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Free T3	mmunoelectrochemiluminescenc
	e/Cobas e411 as
Free T3	documented electronically in
	Roche COBAS E411
Free T4	mmunoelectrochemiluminescenc
	e/Cobas e411 as
Free T4	documented electronically in
	Roche COBAS E411
TSH	Immunoelectrochemiluminescenc
	e/Cobas e411
TSH	as documented electronically in
	Roche COBAS
TSH	E411
Anti-HBs	Immunoelectrochemiluminescenc
	e as documented
Anti-HBs	in electronically in Roche E411
HBsAg	Immunoelectrochemiluminescenc
	e as documented
HBsAg	in electronically in Roche E411
Anti-HIV	Immunoelectrochemiluminescenc
	e as documented
Anti-HIV	in electronically in Roche E411
Dengue Ab IgG/IgM	nan
Dengue NS1	Fluorescence
	Immunoassay/F200 as
	documented
Dengue NS1	in Dengue NS1 SOP
	(GPQD/HAE/SOP-29)
Leptospira IgM	ImmunoChromatographic
	Assay/Manual rapid as
Leptospira IgM	kit insert Leptospira IgM Rapid
	per
Leptospira IgM	(GPQD/SERO/SOP-6)
HIV Antigen/Antibody	Architect 12000 SR / CMIA
	technology as documented in:
HIV Antigen/Antibody	a) PK-HPSF-PAT-MC-01
	(Prosedur Pengendalian
	Spesimen di Unit Mikrobiologi)
HIV Antigen/Antibody	b) PK-HPSF-PAT-MC-03
	(Pengurusan Spesimen
	Medicolegal)
HIV Antigen/Antibody	c) MK-HPSF-PAT-MC-14
	(Manual Kerja Ujian Serologi
	(Bakteriologi dan Virologi))
HIV Antigen/Antibody	qd) MK-HPSF-PAT-MC-18 Kel.
	(Manual Kerja Handling of
	Architect)
HIV Antigen/Antibody	e) MPT-HPSF-PAT-MC-14.1
	(Manual Prosedur Teknikal
	Chemiluminescence
	Immunoassay Test (CMIA))

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HIV 1/2 Supplementary	Serodia Particle Agglutination as
	documented in:
HIV 1/2 Supplementary	a) PK-HPSF-PAT-MC-03
	(Pengurusan Spesimen
	Medicolegal)
HIV 1/2 Supplementary	b) MK-HPSF-PAT-MC-14
	(Manual Kerja Ujian Serologi
	(Bakteriologi dan Virologi))
HIV 1/2 Supplementary	c) MPT-HPSF-PAT-MC-10.2
	(Manual Prosedur Teknikal
	Particle Agglutination)
HCV Antibody	Architect 12000 SR / CMIA
	technology as documented in:
HCV Antibody	a) PK-HPSF-PAT-MC-03
-	(Pengurusan Spesimen
	Medicolegal)
HCV Antibody	b) MK-HPSF-PAT-MC-14
•	(Manual Kerja Ujian Serologi
	(Bakteriologi dan Virologi))
HCV Antibody	c) MK-HPSF-PAT-MC-18
	Manual Kerja Handling of
	Architect)
HCV Antibody	qd) MPT-HPSF-PAT-MC-14.2
	(Manual Prosedur Teknikal
	Chemiluminescence
	Immunoassay Test (CMIA) ?HCV
	Antibody)
HbsAg	Architect 12000 SR / CMIA
1.130.19	technology as documented in:
HbsAg	a) PK-HPSF-PAT-MC-03
1.130.19	(Prosedur Kualiti Pengurusan
	Spesimen Medicolegal)
HbsAg	b) MK-HPSF-PAT-MC-14
	(Manual Kerja Ujian Serologi
	(Bakteriologi dan Virologi))
HbsAg	c) MK-HPSF-PAT-MC-18
· ··································	(Manual Kerja Handling of
	Architect)
HbsAg	qd) MPT-HPSF-PAT-MC-14.4
T ID3/Ng	(Manual Prosedur Teknikal
	Chemiluminescence
	Immunoassay Test (CMIA) -
	HBsAg)
anti-HBs	Architect 12i000 SR / CMIA
anu-1103	technology as documented in:
anti URa	9,
anti-HBs	a) MK-HPSF-PAT-MC-14
	(Manual Kerja Ujian Serologi
anti LIDa	(Bakteriologi dan Virologi))
anti-HBs	b) MK-HPSF-PAT-MC-18
	(Manual Kerja Handling of
	Architect)
	,

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anti-HBs	c) MPT-HPSF-PAT-MC-14.3 (Manual Prosedur Teknikal Chemiluminescence Immunoassay Test (CMIA) ?Anti- HBs)
Rheumatoid Factor	Latex agglutination as documented in:
Rheumatoid Factor	a) MK-HPSF-PAT-MC-15 (Manual Kerja Ujian Immunologi)
Rheumatoid Factor	b) MPT-HPSF-PAT-MC-12.3 (Manual Prosedur Teknikal Latex agglutination Test - Rheumatoid Factor)
RPR	Latex agglutination as documented in:
RPR	a) MK-HPSF-PAT-MC-14 (Manual Kerja Ujian Serologi (Bakteriologi dan Virologi))
RPR	b) MPT-HPSF-PAT-MC-12.9 (Manual Prosedur Teknikal Latex agglutination Test ?Rapid Plasma Reagin)
TPPA	Particle Agglutination as documented in:
TPPA	a) MK-HPSF-PAT-MC-14 (Manual Kerja Ujian Serologi (Bakteriologi dan Virologi))
TPPA	b) MPT-HPSF-PAT-MC-10.1 (Manual Prosedur Teknikal Particle Agglutination - TPPA)
Leptospira IgM	Latex agglutination as documented in:
Leptospira IgM	a) MK-HPSF-PAT-MC-14 (Manual Kerja Ujian Serologi (Bakteriologi dan Virologi))
Leptospira IgM	b) MPT-HPSF-PAT-MC-12.10 (Manual Prosedur Teknikal: Latex agglutination Test ?Leptospira IgM Test)
Dengue rapid NS1Ag Dengue rapid IgG/IgM	Immunochromatography test as documented in:
Dengue rapid NS1Ag Dengue rapid IgG/IgM	a) MK-HPSF-PAT-MC-14 (Manual Kerja Ujian Serologi (Bakteriologi dan Virologi))
Dengue rapid NS1Ag Dengue rapid IgG/IgM	b) MPT-HPSF-PAT-MC-13.2 (Manual Prosedur Teknikal: Immunochromatography Test (ICT) - Dengue Duo IgG and IgM)

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Dengue rapid NS1Ag Dengue	c) MPT-HPSF-PAT-MC-13.3
rapid IgG/IgM	(Manual Prosedur Teknikal:
	Immunochromatography Test
	(ICT) ?NS1 Antigen)
Mycoplasma	Particle Agglutination as
in y o o pia o in a	documented in:
Mycoplasma	a) MK-HPSF-PAT-MC-14
iniyoopiasiria	(Manual Kerja Ujian Serologi
	, ,
NA:	(Bakteriologi dan Virologi))
Mycoplasma	b) MPT-HPSF-PAT-MC-10.3
	(Manual Prosedur Teknikal
	Particle Agglutination -
	Mycoplasma)
Detection of total	In-house Microagglutination Test
	(MAT)
antileptospiral antibody	as documented in
using the	IMR/IDRC/BACT/SOP/34
microagglutination test	nan
(MAT)	nan
Anti-N-Methyl-D-Aspartate	documented in
	IMR/AIRC/AI/SOP/NMDAR-1
Alpha-1-Antitrypsin	A1AT Isofocusing as documented
	in
Phenotyping	IMR/SDC/PK/SOP-10 (SEBIA
Phenotyping	HYDRASIS electrophoresis
	system)
Transferrin Isoform	Capillary Electrophoresis as
	documented
Transferrin Isoform	in IMR/SDC/PK/SOP-9
Transferrin Isoform	(SEBIACAPILLARYS SYSTEM)
Acetaminophen	EMIT on Beckman Coulter
	AU5800 as documented in
	HS/JP/W1 (CP;07)-024 Test on
	Beckman Coulter AU 5800

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Alpha feto protein	Immunoenzymatic assay on Dx1800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dx1800 Immunoassay Analyzer
Alpha-1 antitrypsin	Immunoturbidimetry on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07)- 024 Test on Beckman Coulter AU5800
Amikacin	EMIT on Beckman Coulter AU5800 as documented in (CP:07)-024Test on Beckman Coulter AU 5800
Anti-Thyroglobulin	Chemiluminescence on Dx1800 Beckman Coulter as documented in
Anti-Thyroglobulin	HS/JP/WI (CP;07) -027 Test on Dx1800 Immunoassay Analyzer
Anti-Thyroid Peroxidase	Immunoenzynatic assay on Dx1800 Beckman Coulter as documented in
Anti-Thyroid Peroxidase	HS/JP/WI (CP;07) -027 Test on Dx1800 Immunoassay Analyzer
Beta Human Chorionic	Immunoenzymatic assay on Dx1800 Beckman Coulter-as documented in
Gonadotrophin (beta- hCG)	HS/JP/WI (CP;07) - 027 Test on Dx Immunoassay Analyzer
C-Reactive Protein (CRP)	Immunoturbidimetry latex on Beckman Coulter AU5800 as documented in HS/JP/WI
C-Reactive Protein (CRP)	(CP;07) 024Test on Beckman Coulter AU5800
CA 19-19	Chemiluminescence on
CA 19-19	Beckman Coulter as documented in
CA 19-19	HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer
CA 125	Chemiluminescence on Beckman Coulter as documented in
CA 125	HS/JP/WI (CP;07) -027 Test on DxI800 Immunoassay Analyzer
Carbamazepine	Homogenous enzyme Immunoassay on Beckman Coulter AU5800 as documented in
Carbamazepine	HS/JP/WI (CP:07)- 024Test on Beckman Coulter AU5800

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Carcinoembryonic Antigen (CEA)	Chemiluminescence on Dxl800
	Beckman Coulter as documented
	in HS/JP/WI (CP:07)- 027 Test
	on Dxl800 Immunoassay
	Analyzer
Caeruloplasmin	Immunoturbidimetry on Beckman
	Coulter AU5800 as documented
	in HS/JP/W1 (CP;07)- 024 Test
	on Beckman Coulter AU5800
Cholesterol, HDL	Immunology Inhibition Method on
	Beckman Coulter AU5800 as
	documented in HS/JP/WI
Cholesterol, HDL	(CP;07)-024 Test on Beckman
	Coulter AU 5800
Cholesterol, Total	CHOD ? PAP Method on
	Beckman Coulter AU5800 as
	documented in HS/JP/WI
	(CP;07)- 024 Test on Beckman
	Coulter AU 5800
Cholinesterase	GSCC (1994) Photometric
	Method on Beckman Coulter
	AU5800 as documented in
Cholinesterase	HS/JP/WI (CP;07)-024 Test on
	Beckman Coulter AU 5800
Complement C3	Immunoturbidimetry on Beckman
·	Coulter AU5800 as documented
	in HS/JP/WI (CP;07)- 024 Test
	on Beckman Coulter AU 5800
Complement C4	Immunoturbidimetry on Beckman
	Coulter AU5800 as documented
	in HS/JP/WI (CP;07)- 024 Test
	on Beckman Coulter AU 5800
Creatine Kinase MB (CKMB)	Immunoenzymatic assay on
	Dxl800 Beckman Coulter as
	documented in HS/JP/WI
	(CP:07)- 027 Test on Dxl800
	İmmunoassay Analyzer
Digoxin	Immunoinhibtion teston Beckman
_	Coulter AU5800 as documented
	in HS/JP/WI (CP;07)- 024 Test
	on Beckman Coulter AU 5800
Ferritin	Chemiluminescence on Dxl800
	Beckman Coulter as documented
	in HS/JP/WI (CP:07)- 027 Test
	on Dxl800 Immunoassay
	Analyzer
Folate	Chemiluminescence on on
	Dxl800 Beckman Coulter as
	documented in HS/JP/WI
	(CP:07)- 027 Test on Dxl800
	(307) 327 100t 011 DX1000

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Follicular Stimulating Hormone (FSH)	Chemiluminescence on on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800
	Immunoassay Analyzer
Immunoglobulin A (IgA)	Immunoturbidimetry on Beckman
	Coulter AU5800 as documented
	in HS/JP/WI (CP;07)- 024 Test
	on Beckman Coulter AU 5800
Immunoglobulin G (IgG)	Immunoturbidimetry on Beckman
	Coulter AU5800 as documented
	in HS/JP/WI (CP;07)- 024 Test
	on Beckman Coulter AU 5800
Immunoglobulin M (IgM)	Immunoturbidimetry on Beckman
in in (ig.i.)	Coulter AU5800 as documented
	in HS/JP/WI (CP;07)- 024 Test
	on Beckman Coulter AU 5800
Iron	TPTZ coloured complex method
	on Beckman Coulter AU5800 as
	documented in HS/JP/WI
Iron	(CP;07)-024 Test on Beckman
	Coulter AU 5800
Luteinising Hormone (LH)	Chemiluminescence on on
Luternising Hormone (EH)	Dxl800 Beckman Coulter as
	documented in HS/JP/WI
	(CP:07)- 027 Test on Dxl800
	Immunoassay Analyzer
Phenobarbital	EMIT on Beckman Coulter
Frieriobarbitai	AU5800 as
Phenobarbital	documented in HS/JP/W1
Frieriobarbital	(CP;07)-024 Test on Beckman
	Coulter AU 5800
Phenytoin	EMIT on Beckman Coulter
Therry tolli	AU5800 as
Phenytoin	documented in HS/JP/WI
Tienytoin	(CP;07)-024 Test on Beckman
	Coulter AU 5800
Progesterone	Chemiluminescence on DxI800
Trogesterone	Beckman Coulter as documented
	in HS/JP/WI (CP:07)- 027 Test
	on Dxl800 Immunoassay
	Analyzer
Prolactin	Chemiluminescence on on
1.100011	Dxl800 Beckman Coulter as
	documented in HS/JP/WI
	(CP:07)- 027 Test on Dxl800
	Immunoassay Analyzer
	minunuassay Analyzei

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Prostatic Specific Antigen, Total	Chemiluminescence on on
(PSA)	Dxl800 Beckman Coulter as
	documented in HS/JP/WI
	(CP:07)- 027 Test on DxI800
	Immunoassay Analyzer
Salicylate	EMIT on Beckman Coulter
Galloylate	AU5800as
Salicylate	documented in (CP;07)-024 Test
Salicylate	on Beckman Coulter AU 5800
Tantantarana	Chemiluminescence on Dxl800
Testosterone	
	Beckman Coulte as documented
	in (CP:07)- 027 Test on Dxl800
	Immunoassay Analyzer
Thyroid Stimulating Hormone	Chemiluminescence on Dxl800
(TSH)	Beckman Coulter as documented
	in HS/JP/WI (CP:07)- 027 Test
	on Dxl800 Immunoassay
	Analyzer
Thyroxine, Free (FT4)	Chemiluminescence on Dxl800
, ,	Beckman Coulter as documented
	in HS/JP/WI (CP:07)- 027 Test
	on DxI800 Immunoassay
	Analyzer
Triiodotyronine, Free (FT3)	Chemiluminescence on Dxl800
Trillodotyrorimie, r ree (r 19)	Beckman Coulter as documented
	in HS/JP/WI (CP:07)- 027 Test
	on Dxl800 Immunoassay
Handt waterd han Dividion Compait.	Analyzer
Unsaturated Iron Binding Capacity	Bathophenanthroline Nitroso-
(UIBC)	PSAP method on Beckman
	Coulter AU5800 as documented
Unsaturated Iron Binding Capacity	in HS/JP/WI (CP;07)-024 Test on
(UIBC)	Beckman Coulter AU 5800
Triglycerides	Enzymatic method as
	documented in HS/JP/WI
	(CP:07)- 024 Test on Beckman
	Coulter AU5800
Valproic acid	Homogeneous enzyme
	Immunoassay EMIT on Beckman
	Coulter AU5800 as documented
Valproic acid	in HS/JP/WI (CP;07)-024 Test on
•	Beckman Coulter AU 5800
Vancomycin	EMIT on Beckman Coulter
	AU5800 as documented in
	HS/JP/WI
Vancomycin	(CP;07)-024 Test on Beckman
v ancomyoni	Coulter AU 5800
Vitamin B12	
Vitamin B12	Chemiluminescence on
Vitamin B12	Beckman Coulter as documented
	in

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Vitamin B12	HS/JP/W1 (CP:07)- 027 Test on
	Immunoassay Analyzer
Leptospira IgM	Immuno chromatography as
	documented in
	HS/JP/W1I(MB:10)- 009/Section
	11
Treponema Pallidum Particle	Floculation as documented in 4
Agglutination (TPPA)	
Rapid Plasma Reagin (RPR)	Latex Agglutination as
	documented in
	HS/JP/W1(MB:10)-009/Section 3
Anti-Streptolysin O (ASOT)	Latex Agglutination as
	documented in
	HS/JP/W1(MB:10)-009/Section 6
HIV Supplementary Test	Particle Agglutination as
	documented in
HIV Supplementary Test	HS/JP/WI(MB:10)- 009\Section Ia
Dengue IgM	EIA. Personal Lab as
	documented in
	HS/JP/WI(MB:10)-007/Section 1
HBV Viral Load	1. Real Time Polymerase Chain
	Reaction (PCR). Abbott m2000
	as documented in
	HS/JP/WI(MB:10)- 017/Section 1
HBV Viral Load	2. Real Time Polymerase Chain
	Reaction (PCR). Alinity as
	documented in
	HS/JP/WI(MB:10)- 017/Section
	3A
HCV Viral Load	1. Real Time Polymerase Chain
	Reaction (PCR). Abbott m2000
	as documented in
	HS/JP/WI(MB:10)- 017/Section 2
HCV Viral Load	2. Real Time Polymerase Chain
	Reaction (PCR). Alinity as
	documented in
	HS/JP/WI(MB:10)- 017/Section
	3A
HBsAg HBs Confirmatory Anti	Chemiluminescent Microparticle
HCV	Immuno Assay (CMIA), Architect
	i1000SR As documented in
	HTPG/JP/SER/AK-02
HIV Ag/Ab	None
Anti HIV-1 and/or HIV-2 Passive	Particle Agglutination As
Particle	documented in
A 1 (2 (2 (1 10 / 0 / 5 2)	HTPG/JP/SER/AK-03
Agglutination (HIV % PA)	None
Rapid Plasma Reagin (RPR)	Flocculation As documented in
	HTPG/JP/SER/AK-04

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Treponema Pallidum Particle	Particle Agglutination As
Agglutination (TPPA)	documented in
	HTPG/JP/SER/AK-05
Anti Streptolysin O Test (ASOT)	Latex Agglutination As
	documented in
	HTPG/JP/SER/AK-07
Leptospirosis Rapid Test	Lateral Flow
	Immunochromatography As
	documented in
	HTPG/JP/SER/AK-08
Anti Mycoplasma Pneumoniae	Particle Agglutination As
Antibody	documented in
	HTPG/JP/SER/AK-09
Alanine aminotransferase (ALT)	IFCC (without P-5-P). Analyzer
(Serum)	Beckman Coulter AU680
	(labelled as AU680-A and
	AU680-B) as documented in SAS
Albumain (Comma)	MEC@IIUM/PALM/INT-W10203
Albumin (Serum)	Bromocresol Green. Analyzer
	Beckman Coulter AU680 (labelled as AU680-A and
	AU680-B) as documented in
	SASMEC@IIUM/PALM/INT-
	WI10203
Alkaline Phosphatase (ALP)	IFCC (pNPP , AMP). Analyzer
/ maine i nosphatase (/ Li)	Beckman Coulter AU680
	(labelled as AU680-A and
	AU680-B) as documented in
	SASMEC@IIUM/PALM/INT-
	WI10203
AST (GOT) (Serum)	IFCC (without P-5-P). Analyzer
	Beckman Coulter AU680
	(labelled as AU680-A and
	AU680-B) as documented in SAS
	MEC@IIUM/PALM/INT-W10203
Chloride (Serum)	Indirect ISE. Analyzer Beckman
	Coulter AU680 (labelled as
	AU680-A and AU680-B) as
	documented in
	SASMEC@IIUM/PALM/INT-
	WI10203
Cholesterol (Serum)	Enzymatic. Analyzer Beckman
	Coulter AU680 (labelled as
	AU680-A and AU680-B) as
	documented in
	SASMEC@IIUM/PALM/INT-
	WI10203

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Creatinine (Serum)	Method A (Kinetic Jaffe compensated). Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SAS MEC@IIUM/PALM/INT-W10203
D Bilirubin (Serum)	Diazotization. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT- WI0203
HDL (Serum)	Enzymatic. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT- WI10203
Potassium (Serum)	Indirect ISE. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT- WI0203
Sodium (Serum)	Indirect ISE. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT- WI0203
Total Bilirubin (Serum)	Diazotization. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT- WI10203
Total Protein (Serum)	Colorimetric Blue Violet (Biuret method)
Triglyceride (Serum)	Enzymatic. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT- WI10203
Urea (Serum)	Kinetic urease. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT- WI0203

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Hepatitis B screening / Antigen and antibody detection: 4- Hepatitis Bs Antigen Qs Hepatitis Bs Antibody 3- Hepatitis B core Total ab	Chemiluminescence Immunoassay, Beckman Coulter / Method as documented in SAS MEC@IIUM/PALM/MIC-W10203 SASMEC@IIUM/PALM/MIC- WP10
4- Hepatitis B Confirmatory Ag	None
Hepatitis C / Antibody detection	Chemiluminescence Immunoassay, Beckman Coulter / Method as documented in
Hepatitis C / Antibody detection	SASMEC@IIUM/PALM/MIC- W10203 SASMEC@IIUM/PALM/ MIC-WP10
Human Immunodeficiency Virus screening and confirmatory / Antigen/antibody detection	Chemiluminescence Immunoassay, Beckman Coulter / Method as documented in SAS MEC@IIUM/PALM/MIC-W10203 SASMEC@IIUM/PALM/MIC- WP10
Dengue NS? antigen, IgM & IgG Detection / Antigen Antibody detection	Fluorescence immunoassay, SD Biosensor / Method as documented in SASMEC@IIUM/ PALM/MIC-W10401 SASMEC@II UM/PALM/MIC-W10206
IgE	Fluorescence-linked Immunosorbent Assay
IgE	(FLISA) and microarray technology as
IgE	documented in LP912335523

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Aspirate (nps) /	SARS-COV-2 Detection	None
Aspirate (ops)	SARS-COV-2 Detection	None
Bacteriology	None	None
	nan	nan
	nan	nan
	nan	nan
	Chlamydia Trachomatis	Real-time PCR by Microlab
		NIMBUS (2) as
	nan	nan
	nan	nan
	None	None
Fluid, Urine, Csf,	Acid Fast Bacilli (AFB) Direct	Microscopic examination with

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Isolates From Stool /	Salmonella Serotyping	documented in MKAI/SP/BAC/WI-07
Larvage And Other	Fluorescence Microscopy Method	microscope as documented in
Media	Media Preparation	Manual method as documented
		in
	Media Preparation	MKAI/SP/BAC/WI-03
Molecular Biology	SARS-COV-2 Detection	Molecular Detection / RT As
Nasopharyngeal	SARS-COV-2 Detection	documented in
. taoopa.ygoa.		MKAI/SP/MOL/WI-04
	E Gene	Time PCR System / As
		documented in MG-
Oropharyngeal	SARS-COV-2 Detection	None
3 1 3 3 1	Orf 1 a/b Gene	None
Rectal Swab	Salmonella Serotyping	None
Relevant Clinical	Fluorescence Microscopy Method	MKAI/SP/TB/WI-02
Salmonella Species	Salmonella Serotyping	Slide agglutination method as
Samples	Culture procedure for	Conventional method as
		documented
	Mycobacterium using	in MKAI/SP/TB/WI-05
	conventional	
	method	None
	Culture procedure for	Automated BACTEC MGIT as
	Mycobacterium using BACTEC.	documented in
	, , , , , , , , , , , , , , , , , , , ,	MKAI/SP/TB/WI-06
	MGIT 960	None
	Egg-based media preparation	Manual method as documented in
	Egg-based media preparation	MKAI/SP/TB/WI-04
	Storage and Maintenance of	Skimmed Milk as documented in
	Mycobacterium species cultures	MKAI/SP/TB/WI-07
	Examination-acid fast	(GPQD/MIC/SOP-79)
	Microscopic examination	documented in
	'	GPQD/MIC/SOP-80 and
	AFB Stain	GPQD/MIC/WI-12)
Sputum, Bronchial	Acid Fast Bacilli (AFB) Smear	Slide method as documented in
Stool And Rectal	Enteric Pathogen Culture	Manual culture as documented in
Swab	Enteric Pathogen Culture	MKAI/SP/BAC/WI-01
	Smear and Staining	Gram Stain as documented in
	Smear and Staining	MKAI/SP/BAC/WI-02
	Bacteria Identification	Automation / Vitec2 as
		documented
	Bacteria Identification	in MKAI/SP/BAC/WI-04
	Antibiotic Sensitivity Test	Manual Disk Diffusion as
	,	documented
	Antibiotic Sensitivity Test	in MKAI/SP/BAC/WI-05
	Maintenance and Preservation of	Glycerol as documented in
	Culture	MKAI/SP/BAC/WI-06
	Covid Rapid Antigen	Rapid Chromatographic
		Immunoassay/Manual as
	Covid Rapid Antigen	documented in

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Tb	Salmonella Serotyping	None
Tissue, Gastric	Smear Examination using	Fluorescence staining /
		Fluorescence
Washing, Pleural	Preparation	MKAI/SP/TB/WI-01

NOTE: