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LABORATORY LOCATION: (PERMANENT LABORATORY)	Lablink (M) Sdn. Bhd. 14(129) Jalan Pahang Barat, Off Jalan Pahang, 53000 WP Kuala Lumpur., 53000, WILAYAH PERSEKUTUAN KUALA LUMPUR MALAYSIA
ACCREDITED SINCE :	21 APRIL 2025
FIELD(S) OF MEDICAL TESTING:	CYTOPATHOLOGY HISTOPATHOLOGY MEDICAL MICROBIOLOGY (BACTERIOLOGY) MEDICAL MICROBIOLOGY (MYCOBACTERIOLOGY) MEDICAL MICROBIOLOGY (BACTERIOLOGY - SEROLOGY) MEDICAL MICROBIOLOGY (VIROLOGY) MEDICAL MICROBIOLOGY (VIROLOGY - SEROLOGY) MEDICAL MICROBIOLOGY (IMMUNOLOGY) MEDICAL MICROBIOLOGY (PARASITOLOGY) 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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CENTRAL LOCATION	Lablink (M) Sdn. Bhd. 14(129) Jalan Pahang Barat, Off Jalan Pahang, 53000 WP Kuala Lumpur. , 53000, Wilayah Persekutuan Kuala Lumpur
FIELD(S) OF MEDICAL TESTING:	CYTOPATHOLOGY, HISTOPATHOLOGYMEDICAL MICROBIOLOGY (BACTERIOLOGY)MEDICAL MICROBIOLOGY (MYCOBACTERIOLOGY)MEDICAL MICROBIOLOGY (BACTERIOLOGY - SEROLOGY)MEDICAL MICROBIOLOGY (VIROLOGY)MEDICAL MICROBIOLOGY (VIROLOGY)- SEROLOGY)MEDICAL MICROBIOLOGY (IMMUNOLOGY)MEDICAL MICROBIOLOGY (PARASITOLOGY)CHEMICAL PATHOLOGYHAEMATOLOGY

SCOPE OF MEDICAL TESTING: CYTOPATHOLOGY

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Gynaecological Specimens	Specimen preparation, staining and reporting: 1. Conventional Pap Smear	Manual slide preparation as documented in A13QD001 - Processing of Conventional Pap Smear
	Specimen preparation, staining and reporting: 1. Conventional Pap Smear	Papstain Automated Staining Method by using Thermo Scientific Gemini AS as documented A13QT001
	2. Liquid-Base Cytology (LBC)	Semi-automated technique of SurePath density gradient-based cell enrichment method by using BD Prepmate for specimen preparation and automated technique of SurePath by using BD Prepstain processor as documented in A13QD002 - Processing of LBC Sample

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Non-gynaecological Specimens	Specimen Preparation, Staining and Reporting	Manual specimen preparation as documented in: i) A13QD003 - Processing of body fluids ii) A13QD004 - Processing of respiratory sample iii) A13QD005 - Processing of other body fluids (Urine, CSF, Synovial fluids and others) iv) A13QD006 - Processing of Cerebrospinal Fluids v) A13QT001 - Papanicolaou Staining Staining: Papstain Automated Staining method by using Thermo Scientific Gemini AS as documented A13QT001 Other processes as documented in the listed documents: A13QD007, A13QD009, A13QD011,
Fine Needle Aspiration Specimens	Specimen Preparation, Staining and Reporting	A13QD012, A13QD013 and AXQP001 (Appendix 3) Manual specimen preparation method as documented in A13QD008 Staining: Papstain Automated Staining method by using Thermo Scientific Gemini AS as documented A13QT001. Other process as documented in the listed documents: i) A13QT002 - Diff Quick Staining (Manual Method) ii) AXQP001 - Test Request Management (Appendix 3)

SCOPE OF MEDICAL TESTING: HISTOPATHOLOGY

Specimen Tested	Type of Test/	Test Methods, Specifications/

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	Properties Measured/	Equipment/Techniques Used
Surgical Specimens	Diagnostic Histopathology:	Manual method as documented
	1. Grossing	in A9QD002 - Grossing
		Specimen Handling
	2. Tissue Processing	Automated system by using:
		i) Tissue Processor Milestone
		Pathos Delta
		Tissue Processor as documente
		in
		A9QD025
		ii) Tissue Processor Sakura VIPe
		as
		documented in A9QD030
		iii) Tissue Processor Sakura VIP
		6Al as
		documented in A9QD031
	3. Embedding	Semi - automated system by
	5. Embedding	using Embedding Station: Sakur
		Tissue-Tek Tec 5 Console
		system equipment as documented in A9QD003.
	4 Continuing	*
	4. Sectioning	Manual method by using:
		i) Tissue sectioning Leica
		RM2235 microtome
		as documented in A9QD020
		ii) Tissue sectioning Sakura Acc
		Cut SRM200
		microtome as documented in
		A9QD020
	5. Staining (H&E)	Automation H&E staining by
		using method as
		documented in:
		i) DRS 2000 Autostainer as
		documented in
		A9QD016
		ii) Sakura Tissue-Tek Prisma
		Plus Autostainer
		as documented in A9QD032

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	6. Mounting of slides	Mounting and cover slipping by using: i) Manual method by using Merck Milipore Entellan media as documented in A9QD022 ii) Automation by using Sakura Tissue-Tek Prisma Plus Autostainer as documented in A9QD032 Other processes as documented in the listed documents: A9QD002, A9QD006, A9QD007, A9QD009, A9QD010, A9QD013, A9QD014, A9QD017, A9QD021, A9QD022, A9QD023,
		A9QD026, A9QD029
	7. Immunohistochemistry Testing (IHC)	Automated IHC staining procedure by using: i) Roche Ventana Benchmark Ultra as documented in A9QD027 ii) Roche Ventana Benchmark GX as documented in A9QD019
Fresh Tissue (unfixed Tissue)	Cryostat Sectioning	Manual procedure by using Leica CM1850 UV Cryostat as documented in A9QD015

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Bacteriology Gram Stain Smear	Microscopic examination: 1. Gram Stain	Microscopy by using gram stain method as documented in A4QT001
Bacteriology Primary Specimen: Urine	Culture	Processing of urine specimen on culture media as documented in A4QD001
Bacteriology Primary Specimen: Eye And Ear Swab	Culture	Processing of Eye and Ear Swab specimen on culture media as documented in A4QD010

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Bacteria Identification	Protein Identification (Proteomic)
Antimicrobial Sensitivity Test (AST)	Protein Identification (Proteomic) based on (Matrix Assisted Laser Desorption / Ionization Time of Flight Mass Spectrometry (MALDI-TOF MS) Technology by using Bruker MALDI Biotyper System as documented in A4QT039 Phenotypic Identification based on Advance Colorimetric Technology by using Vitek 2 Biomerieux as documented in A4QT004 Phenotypic reaction with continue growth monitoring and utilizes an optimized colorimetric redox indicator based on Minimum Inhibitory Concentration (MIC) Method by using BD Phoenix
Antimicrobial Sensitivity Test (AST)	M50 as documented in A4QT041. Automated sample preparation for AST testing by using BD Phoenix AP as documented in A4QT042
Antimicrobial Sensitivity Test (AST)	Phenotypic reaction with continue growth monitoring based on Minimum Inhibitory Concentration (MIC) Method by using VITEK 2 as documented in A4QT004.
Antimicrobial Sensitivity Test (AST)	Disk diffusion antibiotic sensitivity testing by using Kirby Bauer Method as documented in A4QT007
Antimicrobial Sensitivity Test (AST)	Antimicrobial Sensitivity Testing (AST) by using E-test as documented in A4QT008
2. Wet Preparation	Microscopy by using wet preparation method as documented in A4QT027
3. Urine Microscopic Examination	Phase contrast examination of uncentrifuged urine by using urine counting chamber as documented in A4QT028 – Urine counting chamber (for urine specimen)
	Antimicrobial Sensitivity Test (AST) Antimicrobial Sensitivity Test (AST) Antimicrobial Sensitivity Test (AST) Antimicrobial Sensitivity Test (AST) 2. Wet Preparation

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Blood	Culture	Processing of blood specimen on
		culture media
		as documented in A4QD002
		Blood Culture System as
		documented in:
		i) A4QT011 BACTEC Blood
		Culture System
		ii) A4QT043 BACTEC FX40
		Blood Culture
		System
Sputum	Culture	Processing of sputum specimen
		on culture media as documented
		in A4QD003
Throat Swab	Culture	Processing of throat swab
		specimen on culture media as
		documented in A4QD004
Tracheal Aspirate/ Broncho	Culture	Processing of Tracheal Aspirate /
Alveolar Lavage And Bronchial		Broncho Alveolar Lavage and
Washing		Bronchial Washing Specimen on
		culture media as documented in
		A4QD005
Nasopharyngeal Swab	Culture	Processing of Nasopharyngeal
		swab specimen on culture media
		as documented in A4QD006
Genital Tract	Culture	Processing of genital tract
		specimen on culture media as
		documented in A4QD007
Fecal	Culture	Processing of fecal specimen on
		culture media as documented in
		A4QD008
Csf	Culture	Processing of CSF specimen on
		culture media as documented in
		A4QD009
Pus Aspirate And Pus Abscess	Culture	Processing of Pus Aspirate and
From Deep Seated Wound		Pus Abscess from Deep Seated
		Wound specimen on culture
		media as documented in
Cuparficial Dua Curch And Claim	Cultura	A4QD011
Superficial Pus Swab And Skin	Culture	Processing of Superficial Pus
Swab		Swab and Skin Swab specimen on culture media as documented
		in A4QD012
Rono	Culture	·
Bone	Culture	Processing of Bone specimen on culture media as documented in
		A4QD013
Tissue	Culture	Processing of Tissue specimen
113346	Culture	on culture media as documented
		in A4QD014
		III A4QD014

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Sterile Body Fluid In Blood Culture Bottle	Culture	Processing of Sterile Body Fluid in Blood Culture Bottle by using Bactec 9120 as documented in A4QD015
Sterile Body Fluid	Culture	Processing of Sterile Body Fluid specimen on culture media as documented in A4QD016
Catheter Tip/urinary Catheter Tip	Culture	Processing of Catheter Tip specimen on culture media as documented in A4QD017
	Culture	Processing of Urinary Catheter Tip specimen on culture media as documented in A4QD022
lucd	Culture	Processing of IUCD specimen on culture media as documented in A4QD018
Antral Biopsy	Culture	Processing of Antral Biopsy specimen on culture media as documented in A4QD019
Nasal Swab	Culture	Processing of Nasal Swab specimen on culture media as documented in A4QD021
Groin Swab, Axilla Swab, Rectal Swab	Culture	Processing of Alert Organism Screening sample on culture media as documented in A4QD020

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (MYCOBACTERIOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Bacteriology	Microscopic examination:	Microscopy by using gram stain
Gram Stain Smear	1. Gram Stain	method as documented in A4QT001
Bacteriology Primary Specimen: Urine	Culture	Processing of urine specimen on culture media as documented in
		A4QD001
Bacteriology Primary Specimen: Eye And Ear Swab	Culture	Processing of Eye and Ear Swab specimen on culture media as documented in A4QD010

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Bacteriology	Bacteria Identification	Protein Identification (Proteomic)
Bacteria Isolates	Bacteria identification	based on (Matrix Assisted Laser
Bacteria isolates		Desorption / Ionization Time of
		Flight Mass Spectrometry
		(MALDI-TOF MS) Technology by
		using Bruker MALDI Biotyper
		System as documented in
		A4QT039 Phenotypic
		Identification based on Advance
		Colorimetric Technology by using
		Vitek 2 Biomerieux as
		documented in A4QT004
	Antimicrobial Sensitivity Test	Phenotypic reaction with continue
	(AST)	growth monitoring and utilizes an
		optimized colorimetric redox
		indicator based on Minimum
		Inhibitory Concentration (MIC)
		Method by using BD Phoenix
		M50 as documented in A4QT041.
	Antimicrobial Sensitivity Test	Automated sample preparation
	(AST)	for AST testing by using BD
	(7.6.1)	Phoenix AP as documented in
		A4QT042
	Antimicrobial Sensitivity Test	Phenotypic reaction with continue
	(AST)	growth monitoring based on
	(101)	Minimum Inhibitory Concentration
		(MIC) Method by using VITEK 2
		as documented in A4QT004.
	Antimicrobial Sensitivity Test	Disk diffusion antibiotic sensitivity
	· · · · · · · · · · · · · · · · · · ·	
	(AST)	testing by using Kirby Bauer
		Method as documented in
	Antimiorahial Canaitivity Taat	A4QT007
	Antimicrobial Sensitivity Test	Antimicrobial Sensitivity Testing
	(AST)	(AST) by using E-test as
NACT NACT OF STREET	O. W. (December 1)	documented in A4QT008
Wet Mount Smear	2. Wet Preparation	Microscopy by using wet
		preparation method as
LL2	O Histor Misson and Employed	documented in A4QT027
Urine	3. Urine Microscopic Examination	Phase contrast examination of un-
		centrifuged urine by using urine
		counting chamber as
		documented in A4QT028 – Urine
		counting chamber (for urine
		specimen)

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Blood	Culture	Processing of blood specimen on culture media as documented in A4QD002 Blood Culture System as
		documented in: i) A4QT011 BACTEC Blood
		Culture System
		ii) A4QT043 BACTEC FX40
		Blood Culture System
Sputum	Culture	Processing of sputum specimen
opata	Cantaro	on culture media as documented in A4QD003
Throat Swab	Culture	Processing of throat swab specimen on culture media as documented in A4QD004
Tracheal Aspirate/ Broncho Alveolar Lavage And Bronchial Washing	Culture	Processing of Tracheal Aspirate / Broncho Alveolar Lavage and Bronchial Washing Specimen on culture media as documented in A4QD005
Nasopharyngeal Swab	Culture	Processing of Nasopharyngeal swab specimen on culture media as documented in A4QD006
Genital Tract	Culture	Processing of genital tract specimen on culture media as documented in A4QD007
Fecal	Culture	Processing of fecal specimen on culture media as documented in A4QD008
Csf	Culture	Processing of CSF specimen on culture media as documented in A4QD009
Pus Aspirate And Pus Abscess From Deep Seated Wound	Culture	Processing of Pus Aspirate and Pus Abscess from Deep Seated Wound specimen on culture media as documented in A4QD011
Superficial Pus Swab And Skin Swab	Culture	Processing of Superficial Pus Swab and Skin Swab specimen on culture media as documented in A4QD012
Bone	Culture	Processing of Bone specimen on culture media as documented in A4QD013
Tissue	Culture	Processing of Tissue specimen on culture media as documented in A4QD014

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Sterile Body Fluid In Blood Culture Bottle	Culture	Processing of Sterile Body Fluid in Blood Culture Bottle by using Bactec 9120 as documented in A4QD015
Sterile Body Fluid	Culture	Processing of Sterile Body Fluid specimen on culture media as documented in A4QD016
Catheter Tip/urinary Catheter Tip	Culture	Processing of Catheter Tip specimen on culture media as documented in A4QD017
	Culture	Processing of Urinary Catheter Tip specimen on culture media as documented in A4QD022
lucd	Culture	Processing of IUCD specimen on culture media as documented in A4QD018
Antral Biopsy	Culture	Processing of Antral Biopsy specimen on culture media as documented in A4QD019
Nasal Swab	Culture	Processing of Nasal Swab specimen on culture media as documented in A4QD021
Groin Swab, Axilla Swab, Rectal Swab	Culture	Processing of Alert Organism Screening sample on culture media as documented in A4QD020

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY - SEROLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Bacteriology	Microscopic examination:	Microscopy by using gram stain
Gram Stain Smear	1. Gram Stain	method as documented in A4QT001
Bacteriology Primary Specimen: Urine	Culture	Processing of urine specimen on culture media as documented in A4QD001
Bacteriology Primary Specimen: Eye And Ear Swab	Culture	Processing of Eye and Ear Swab specimen on culture media as documented in A4QD010

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Destaviale m.	Bacteria Identification	Protein Identification (Proteomic)
Bacteria Isolates	Antimicrobial Sensitivity Test (AST)	based on (Matrix Assisted Laser Desorption / Ionization Time of Flight Mass Spectrometry (MALDI-TOF MS) Technology by using Bruker MALDI Biotyper System as documented in A4QT039 Phenotypic Identification based on Advance Colorimetric Technology by using Vitek 2 Biomerieux as documented in A4QT004 Phenotypic reaction with continue growth monitoring and utilizes an optimized colorimetric redox
		Indicator based on Minimum Inhibitory Concentration (MIC) Method by using BD Phoenix M50 as documented in A4QT041.
	Antimicrobial Sensitivity Test (AST)	Automated sample preparation for AST testing by using BD Phoenix AP as documented in A4QT042
	Antimicrobial Sensitivity Test (AST)	Phenotypic reaction with continue growth monitoring based on Minimum Inhibitory Concentration (MIC) Method by using VITEK 2 as documented in A4QT004.
	Antimicrobial Sensitivity Test (AST)	Disk diffusion antibiotic sensitivity testing by using Kirby Bauer Method as documented in A4QT007
	Antimicrobial Sensitivity Test (AST)	Antimicrobial Sensitivity Testing (AST) by using E-test as documented in A4QT008
Wet Mount Smear	2. Wet Preparation	Microscopy by using wet preparation method as documented in A4QT027
Urine	3. Urine Microscopic Examination	Phase contrast examination of uncentrifuged urine by using urine counting chamber as documented in A4QT028 – Urine counting chamber (for urine specimen)

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Blood	Culture	Processing of blood specimen on culture media
		as documented in A4QD002 Blood Culture System as
		documented in:
		i) A4QT011 BACTEC Blood
		Culture System
		ii) A4QT043 BACTEC FX40
		Blood Culture
		System
Sputum	Culture	Processing of sputum specimen
		on culture media as documented in A4QD003
Throat Swab	Culture	Processing of throat swab
		specimen on culture media as documented in A4QD004
Tracheal Aspirate/ Broncho	Culture	Processing of Tracheal Aspirate /
Alveolar Lavage And Bronchial		Broncho Alveolar Lavage and
Washing		Bronchial Washing Specimen on
		culture media as documented in A4QD005
Nasopharyngeal Swab	Culture	Processing of Nasopharyngeal
		swab specimen on culture media
		as documented in A4QD006
Genital Tract	Culture	Processing of genital tract
		specimen on culture media as
		documented in A4QD007
Fecal	Culture	Processing of fecal specimen on
		culture media as documented in A4QD008
Csf	Culture	Processing of CSF specimen on
		culture media as documented in
		A4QD009
Pus Aspirate And Pus Abscess	Culture	Processing of Pus Aspirate and
From Deep Seated Wound		Pus Abscess from Deep Seated
		Wound specimen on culture
		media as documented in
		A4QD011
Superficial Pus Swab And Skin	Culture	Processing of Superficial Pus
Swab		Swab and Skin Swab specimen
		on culture media as documented
		in A4QD012
Bone	Culture	Processing of Bone specimen on
		culture media as documented in A4QD013
Tissue	Culture	Processing of Tissue specimen
110000	Juituro	on culture media as documented
		in A4QD014
		11171192017

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Sterile Body Fluid In Blood Culture Bottle	Culture	Processing of Sterile Body Fluid in Blood Culture Bottle by using Bactec 9120 as documented in A4QD015
Sterile Body Fluid	Culture	Processing of Sterile Body Fluid specimen on culture media as documented in A4QD016
Catheter Tip/urinary Catheter Tip	Culture	Processing of Catheter Tip specimen on culture media as documented in A4QD017
	Culture	Processing of Urinary Catheter Tip specimen on culture media as documented in A4QD022
lucd	Culture	Processing of IUCD specimen on culture media as documented in A4QD018
Antral Biopsy	Culture	Processing of Antral Biopsy specimen on culture media as documented in A4QD019
Nasal Swab	Culture	Processing of Nasal Swab specimen on culture media as documented in A4QD021
Groin Swab, Axilla Swab, Rectal Swab	Culture	Processing of Alert Organism Screening sample on culture media as documented in A4QD020

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Bacteriology	Microscopic examination:	Microscopy by using gram stain
Gram Stain Smear	1. Gram Stain	method as documented in A4QT001
Bacteriology	Culture	Processing of urine specimen on
Primary Specimen: Urine		culture media as documented in A4QD001
Bacteriology	Culture	Processing of Eye and Ear Swab
Primary Specimen: Eye And Ear		specimen on culture media as
Swab		documented in A4QD010

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Bacteriology	Bacteria Identification	Protein Identification (Proteomic)
Bacteria Isolates	Bacteria identification	based on (Matrix Assisted Laser
Bacteria isolates		Desorption / Ionization Time of
		Flight Mass Spectrometry
		(MALDI-TOF MS) Technology by
		using Bruker MALDI Biotyper
		System as documented in
		A4QT039 Phenotypic
		Identification based on Advance
		Colorimetric Technology by using
		Vitek 2 Biomerieux as
		documented in A4QT004
	Antimicrobial Sensitivity Test	Phenotypic reaction with continue
	(AST)	growth monitoring and utilizes an
		optimized colorimetric redox
		indicator based on Minimum
		Inhibitory Concentration (MIC)
		Method by using BD Phoenix
		M50 as documented in A4QT041.
	Antimicrobial Sensitivity Test	Automated sample preparation
	(AST)	for AST testing by using BD
	(7.6.1)	Phoenix AP as documented in
		A4QT042
	Antimicrobial Sensitivity Test	Phenotypic reaction with continue
	(AST)	growth monitoring based on
	(101)	Minimum Inhibitory Concentration
		(MIC) Method by using VITEK 2
		as documented in A4QT004.
	Antimicrobial Sensitivity Test	Disk diffusion antibiotic sensitivity
	· · · · · · · · · · · · · · · · · · ·	
	(AST)	testing by using Kirby Bauer
		Method as documented in
	Antimiorahial Canaitivity Taat	A4QT007
	Antimicrobial Sensitivity Test	Antimicrobial Sensitivity Testing
	(AST)	(AST) by using E-test as
NACT NACT OF STREET	O. W. (December 1)	documented in A4QT008
Wet Mount Smear	2. Wet Preparation	Microscopy by using wet
		preparation method as
LL2	O Histor Misson and Employed	documented in A4QT027
Urine	3. Urine Microscopic Examination	Phase contrast examination of un-
		centrifuged urine by using urine
		counting chamber as
		documented in A4QT028 – Urine
		counting chamber (for urine
		specimen)

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Blood	Culture	Processing of blood specimen on
		culture media
		as documented in A4QD002
		Blood Culture System as
		documented in:
		i) A4QT011 BACTEC Blood
		Culture System
		ii) A4QT043 BACTEC FX40
		Blood Culture
		System
Sputum	Culture	Processing of sputum specimen
		on culture media as documented
		in A4QD003
Throat Swab	Culture	Processing of throat swab
		specimen on culture media as
		documented in A4QD004
Tracheal Aspirate/ Broncho	Culture	Processing of Tracheal Aspirate /
Alveolar Lavage And Bronchial		Broncho Alveolar Lavage and
Washing		Bronchial Washing Specimen on
		culture media as documented in
		A4QD005
Nasopharyngeal Swab	Culture	Processing of Nasopharyngeal
		swab specimen on culture media
		as documented in A4QD006
Genital Tract	Culture	Processing of genital tract
		specimen on culture media as
		documented in A4QD007
Fecal	Culture	Processing of fecal specimen on
		culture media as documented in
		A4QD008
Csf	Culture	Processing of CSF specimen on
		culture media as documented in
		A4QD009
Pus Aspirate And Pus Abscess	Culture	Processing of Pus Aspirate and
From Deep Seated Wound		Pus Abscess from Deep Seated
		Wound specimen on culture
		media as documented in
Cuparficial Dua Curch And Claim	Cultura	A4QD011
Superficial Pus Swab And Skin	Culture	Processing of Superficial Pus
Swab		Swab and Skin Swab specimen on culture media as documented
		in A4QD012
Rono	Culture	·
Bone	Culture	Processing of Bone specimen on culture media as documented in
		A4QD013
Tissue	Culture	Processing of Tissue specimen
113346	Culture	on culture media as documented
		in A4QD014
		III A4QD014

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Sterile Body Fluid In Blood Culture Bottle	Culture	Processing of Sterile Body Fluid in Blood Culture Bottle by using Bactec 9120 as documented in A4QD015
Sterile Body Fluid	Culture	Processing of Sterile Body Fluid specimen on culture media as documented in A4QD016
Catheter Tip/urinary Catheter Tip	Culture	Processing of Catheter Tip specimen on culture media as documented in A4QD017
	Culture	Processing of Urinary Catheter Tip specimen on culture media as documented in A4QD022
lucd	Culture	Processing of IUCD specimen on culture media as documented in A4QD018
Antral Biopsy	Culture	Processing of Antral Biopsy specimen on culture media as documented in A4QD019
Nasal Swab	Culture	Processing of Nasal Swab specimen on culture media as documented in A4QD021
Groin Swab, Axilla Swab, Rectal Swab	Culture	Processing of Alert Organism Screening sample on culture media as documented in A4QD020

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY - SEROLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Bacteriology Gram Stain Smear	Microscopic examination: 1. Gram Stain	Microscopy by using gram stain method as documented in A4QT001
Bacteriology Primary Specimen: Urine	Culture	Processing of urine specimen on culture media as documented in A4QD001
Bacteriology Primary Specimen: Eye And Ear Swab	Culture	Processing of Eye and Ear Swab specimen on culture media as documented in A4QD010

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Bacteriology	Bacteria Identification	Protein Identification (Proteomic)
Bacteriology Bacteria Isolates	Antimicrobial Sensitivity Test (AST)	Protein Identification (Proteomic) based on (Matrix Assisted Laser Desorption / Ionization Time of Flight Mass Spectrometry (MALDI-TOF MS) Technology by using Bruker MALDI Biotyper System as documented in A4QT039 Phenotypic Identification based on Advance Colorimetric Technology by using Vitek 2 Biomerieux as documented in A4QT004 Phenotypic reaction with continue growth monitoring and utilizes an optimized colorimetric redox
		indicator based on Minimum Inhibitory Concentration (MIC) Method by using BD Phoenix M50 as documented in A4QT041.
	Antimicrobial Sensitivity Test (AST)	Automated sample preparation for AST testing by using BD Phoenix AP as documented in A4QT042
	Antimicrobial Sensitivity Test (AST)	Phenotypic reaction with continue growth monitoring based on Minimum Inhibitory Concentration (MIC) Method by using VITEK 2 as documented in A4QT004.
	Antimicrobial Sensitivity Test (AST)	Disk diffusion antibiotic sensitivity testing by using Kirby Bauer Method as documented in A4QT007
	Antimicrobial Sensitivity Test (AST)	Antimicrobial Sensitivity Testing (AST) by using E-test as documented in A4QT008
Wet Mount Smear	2. Wet Preparation	Microscopy by using wet preparation method as documented in A4QT027
Urine	3. Urine Microscopic Examination	Phase contrast examination of uncentrifuged urine by using urine counting chamber as documented in A4QT028 – Urine counting chamber (for urine specimen)

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Blood	Culture	Processing of blood specimen on culture media as documented in A4QD002 Blood Culture System as
		documented in: i) A4QT011 BACTEC Blood
		Culture System
		ii) A4QT043 BACTEC FX40
		Blood Culture System
Sputum	Culture	Processing of sputum specimen
opata	Cantaro	on culture media as documented in A4QD003
Throat Swab	Culture	Processing of throat swab specimen on culture media as documented in A4QD004
Tracheal Aspirate/ Broncho Alveolar Lavage And Bronchial Washing	Culture	Processing of Tracheal Aspirate / Broncho Alveolar Lavage and Bronchial Washing Specimen on culture media as documented in A4QD005
Nasopharyngeal Swab	Culture	Processing of Nasopharyngeal swab specimen on culture media as documented in A4QD006
Genital Tract	Culture	Processing of genital tract specimen on culture media as documented in A4QD007
Fecal	Culture	Processing of fecal specimen on culture media as documented in A4QD008
Csf	Culture	Processing of CSF specimen on culture media as documented in A4QD009
Pus Aspirate And Pus Abscess From Deep Seated Wound	Culture	Processing of Pus Aspirate and Pus Abscess from Deep Seated Wound specimen on culture media as documented in A4QD011
Superficial Pus Swab And Skin Swab	Culture	Processing of Superficial Pus Swab and Skin Swab specimen on culture media as documented in A4QD012
Bone	Culture	Processing of Bone specimen on culture media as documented in A4QD013
Tissue	Culture	Processing of Tissue specimen on culture media as documented in A4QD014

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Sterile Body Fluid In Blood Culture Bottle	Culture	Processing of Sterile Body Fluid in Blood Culture Bottle by using Bactec 9120 as documented in A4QD015
Sterile Body Fluid	Culture	Processing of Sterile Body Fluid specimen on culture media as documented in A4QD016
Catheter Tip/urinary Catheter Tip	Culture	Processing of Catheter Tip specimen on culture media as documented in A4QD017
	Culture	Processing of Urinary Catheter Tip specimen on culture media as documented in A4QD022
lucd	Culture	Processing of IUCD specimen on culture media as documented in A4QD018
Antral Biopsy	Culture	Processing of Antral Biopsy specimen on culture media as documented in A4QD019
Nasal Swab	Culture	Processing of Nasal Swab specimen on culture media as documented in A4QD021
Groin Swab, Axilla Swab, Rectal Swab	Culture	Processing of Alert Organism Screening sample on culture media as documented in A4QD020

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (IMMUNOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Bacteriology	Microscopic examination:	Microscopy by using gram stain
Gram Stain Smear	1. Gram Stain	method as documented in A4QT001
Bacteriology	Culture	Processing of urine specimen on
Primary Specimen: Urine		culture media as documented in A4QD001
Bacteriology	Culture	Processing of Eye and Ear Swab
Primary Specimen: Eye And Ear		specimen on culture media as
Swab		documented in A4QD010

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Bacteria Identification	Protein Identification (Proteomic)
Antimicrobial Sensitivity Test (AST)	Protein Identification (Proteomic) based on (Matrix Assisted Laser Desorption / Ionization Time of Flight Mass Spectrometry (MALDI-TOF MS) Technology by using Bruker MALDI Biotyper System as documented in A4QT039 Phenotypic Identification based on Advance Colorimetric Technology by using Vitek 2 Biomerieux as documented in A4QT004 Phenotypic reaction with continue growth monitoring and utilizes an optimized colorimetric redox indicator based on Minimum Inhibitory Concentration (MIC) Method by using BD Phoenix
Antimicrobial Sensitivity Test (AST)	M50 as documented in A4QT041. Automated sample preparation for AST testing by using BD Phoenix AP as documented in A4QT042
Antimicrobial Sensitivity Test (AST)	Phenotypic reaction with continue growth monitoring based on Minimum Inhibitory Concentration (MIC) Method by using VITEK 2 as documented in A4QT004.
Antimicrobial Sensitivity Test (AST)	Disk diffusion antibiotic sensitivity testing by using Kirby Bauer Method as documented in A4QT007
Antimicrobial Sensitivity Test (AST)	Antimicrobial Sensitivity Testing (AST) by using E-test as documented in A4QT008
2. Wet Preparation	Microscopy by using wet preparation method as documented in A4QT027
3. Urine Microscopic Examination	Phase contrast examination of uncentrifuged urine by using urine counting chamber as documented in A4QT028 – Urine counting chamber (for urine specimen)
	Antimicrobial Sensitivity Test (AST) Antimicrobial Sensitivity Test (AST) Antimicrobial Sensitivity Test (AST) Antimicrobial Sensitivity Test (AST) 2. Wet Preparation

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Blood	Culture	Processing of blood specimen on
		culture media
		as documented in A4QD002
		Blood Culture System as
		documented in:
		i) A4QT011 BACTEC Blood
		Culture System
		ii) A4QT043 BACTEC FX40
		Blood Culture
		System
Sputum	Culture	Processing of sputum specimen
		on culture media as documented
		in A4QD003
Throat Swab	Culture	Processing of throat swab
		specimen on culture media as
		documented in A4QD004
Tracheal Aspirate/ Broncho	Culture	Processing of Tracheal Aspirate /
Alveolar Lavage And Bronchial		Broncho Alveolar Lavage and
Washing		Bronchial Washing Specimen on
		culture media as documented in
		A4QD005
Nasopharyngeal Swab	Culture	Processing of Nasopharyngeal
		swab specimen on culture media
		as documented in A4QD006
Genital Tract	Culture	Processing of genital tract
		specimen on culture media as
		documented in A4QD007
Fecal	Culture	Processing of fecal specimen on
		culture media as documented in
		A4QD008
Csf	Culture	Processing of CSF specimen on
		culture media as documented in
		A4QD009
Pus Aspirate And Pus Abscess	Culture	Processing of Pus Aspirate and
From Deep Seated Wound		Pus Abscess from Deep Seated
		Wound specimen on culture
		media as documented in
Cuparficial Dua Curch And Claim	Cultura	A4QD011
Superficial Pus Swab And Skin	Culture	Processing of Superficial Pus
Swab		Swab and Skin Swab specimen on culture media as documented
		in A4QD012
Rono	Culture	·
Bone	Culture	Processing of Bone specimen on culture media as documented in
		A4QD013
Tissue	Culture	Processing of Tissue specimen
113346	Culture	on culture media as documented
		in A4QD014
		III A4QD014

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Sterile Body Fluid In Blood Culture Bottle	Culture	Processing of Sterile Body Fluid in Blood Culture Bottle by using Bactec 9120 as documented in A4QD015
Sterile Body Fluid	Culture	Processing of Sterile Body Fluid specimen on culture media as documented in A4QD016
Catheter Tip/urinary Catheter Tip	Culture	Processing of Catheter Tip specimen on culture media as documented in A4QD017
	Culture	Processing of Urinary Catheter Tip specimen on culture media as documented in A4QD022
lucd	Culture	Processing of IUCD specimen on culture media as documented in A4QD018
Antral Biopsy	Culture	Processing of Antral Biopsy specimen on culture media as documented in A4QD019
Nasal Swab	Culture	Processing of Nasal Swab specimen on culture media as documented in A4QD021
Groin Swab, Axilla Swab, Rectal Swab	Culture	Processing of Alert Organism Screening sample on culture media as documented in A4QD020

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (PARASITOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Bacteriology	Microscopic examination:	Microscopy by using gram stain
Gram Stain Smear	1. Gram Stain	method as documented in A4QT001
Bacteriology	Culture	Processing of urine specimen on
Primary Specimen: Urine		culture media as documented in A4QD001
Bacteriology	Culture	Processing of Eye and Ear Swab
Primary Specimen: Eye And Ear		specimen on culture media as
Swab		documented in A4QD010

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Bacteriology	Bacteria Identification	Protein Identification (Proteomic)
Bacteriology Bacteria Isolates	Antimicrobial Sensitivity Test (AST)	Protein Identification (Proteomic) based on (Matrix Assisted Laser Desorption / Ionization Time of Flight Mass Spectrometry (MALDI-TOF MS) Technology by using Bruker MALDI Biotyper System as documented in A4QT039 Phenotypic Identification based on Advance Colorimetric Technology by using Vitek 2 Biomerieux as documented in A4QT004 Phenotypic reaction with continue growth monitoring and utilizes an optimized colorimetric redox
		indicator based on Minimum Inhibitory Concentration (MIC) Method by using BD Phoenix M50 as documented in A4QT041.
	Antimicrobial Sensitivity Test (AST)	Automated sample preparation for AST testing by using BD Phoenix AP as documented in A4QT042
	Antimicrobial Sensitivity Test (AST)	Phenotypic reaction with continue growth monitoring based on Minimum Inhibitory Concentration (MIC) Method by using VITEK 2 as documented in A4QT004.
	Antimicrobial Sensitivity Test (AST)	Disk diffusion antibiotic sensitivity testing by using Kirby Bauer Method as documented in A4QT007
	Antimicrobial Sensitivity Test (AST)	Antimicrobial Sensitivity Testing (AST) by using E-test as documented in A4QT008
Wet Mount Smear	2. Wet Preparation	Microscopy by using wet preparation method as documented in A4QT027
Urine	3. Urine Microscopic Examination	Phase contrast examination of uncentrifuged urine by using urine counting chamber as documented in A4QT028 – Urine counting chamber (for urine specimen)

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Blood	Culture	Processing of blood specimen on culture media as documented in A4QD002 Blood Culture System as
		documented in: i) A4QT011 BACTEC Blood
		Culture System
		ii) A4QT043 BACTEC FX40
		Blood Culture System
Sputum	Culture	Processing of sputum specimen
opata	Cantaro	on culture media as documented in A4QD003
Throat Swab	Culture	Processing of throat swab specimen on culture media as documented in A4QD004
Tracheal Aspirate/ Broncho Alveolar Lavage And Bronchial Washing	Culture	Processing of Tracheal Aspirate / Broncho Alveolar Lavage and Bronchial Washing Specimen on culture media as documented in A4QD005
Nasopharyngeal Swab	Culture	Processing of Nasopharyngeal swab specimen on culture media as documented in A4QD006
Genital Tract	Culture	Processing of genital tract specimen on culture media as documented in A4QD007
Fecal	Culture	Processing of fecal specimen on culture media as documented in A4QD008
Csf	Culture	Processing of CSF specimen on culture media as documented in A4QD009
Pus Aspirate And Pus Abscess From Deep Seated Wound	Culture	Processing of Pus Aspirate and Pus Abscess from Deep Seated Wound specimen on culture media as documented in A4QD011
Superficial Pus Swab And Skin Swab	Culture	Processing of Superficial Pus Swab and Skin Swab specimen on culture media as documented in A4QD012
Bone	Culture	Processing of Bone specimen on culture media as documented in A4QD013
Tissue	Culture	Processing of Tissue specimen on culture media as documented in A4QD014

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Sterile Body Fluid In Blood Culture Bottle	Culture	Processing of Sterile Body Fluid in Blood Culture Bottle by using Bactec 9120 as documented in A4QD015
Sterile Body Fluid	Culture	Processing of Sterile Body Fluid specimen on culture media as documented in A4QD016
Catheter Tip/urinary Catheter Tip	Culture	Processing of Catheter Tip specimen on culture media as documented in A4QD017
	Culture	Processing of Urinary Catheter Tip specimen on culture media as documented in A4QD022
lucd	Culture	Processing of IUCD specimen on culture media as documented in A4QD018
Antral Biopsy	Culture	Processing of Antral Biopsy specimen on culture media as documented in A4QD019
Nasal Swab	Culture	Processing of Nasal Swab specimen on culture media as documented in A4QD021
Groin Swab, Axilla Swab, Rectal Swab	Culture	Processing of Alert Organism Screening sample on culture media as documented in A4QD020

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
-	Properties Measured/	Equipment/Techniques Used
Mycobacteriology	Acid Fast Bacilli (AFB) Smear	Kinyoun Stain method by using
Sputum	Microscopy	Light Microscope as documented
tracheal Aspirate		TPM-A4QT021
bronchoalveolar	Acid Fast Bacilli (AFB) Smear	Auramine O stain method by
lavage	Microscopy	using Flourecent Microscope as
Nasopharyngeal		documented TPM-A4QT020
aspirate	Auramine O stain method by	Ziehl Neelsen stain method by
body Fluids	using Flourecent Microscope as	using Light Microscope as
Cerebrospinal Fluid	documented TPM-A4QT020	documented TPM-A4QT036
urine	Isolation and Identification of	Fluorescence principle by using
Gastric Lavage	Bacteria (Mycobacterium	MGIT 960 as documented in
tissue	tuberculosis complex)	A4QT016
pus	Isolation and Identification of	Multiplex Real-Time PCR
	Bacteria (Mycobacterium	technique by using ANYPLEX
	tuberculosis complex)	MTB/NTM as documented in
		A4QT014

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Isolation and Identification of	Multiplex, Rapid Real-Time PCR
Bacteria (Mycobacterium	technique by using GeneXpert®
tuberculosis complex)	MTB/RIF as documented in
, ,	A4QT034
Antimicrobial Susceptibility	Method of proportion by using
Testing	BACTEC MGIT 960 as
	documented in WI-A4QD024

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (MYCOBACTERIOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
•	Properties Measured/	Equipment/Techniques Used
Mycobacteriology	Acid Fast Bacilli (AFB) Smear	Kinyoun Stain method by using
Sputum tracheal Aspirate	Microscopy	Light Microscope as documented TPM-A4QT021
bronchoalveolar	Acid Fast Bacilli (AFB) Smear	Auramine O stain method by
lavage Nasopharyngeal	Microscopy	using Flourecent Microscope as documented TPM-A4QT020
aspirate body Fluids Cerebrospinal Fluid	Auramine O stain method by using Flourecent Microscope as documented TPM-A4QT020	Ziehl Neelsen stain method by using Light Microscope as documented TPM-A4QT036
urine Gastric Lavage tissue	Isolation and Identification of Bacteria (Mycobacterium tuberculosis complex)	Fluorescence principle by using MGIT 960 as documented in A4QT016
pus	Isolation and Identification of Bacteria (Mycobacterium tuberculosis complex)	Multiplex Real-Time PCR technique by using ANYPLEX MTB/NTM as documented in A4QT014
	Isolation and Identification of Bacteria (Mycobacterium tuberculosis complex)	Multiplex, Rapid Real-Time PCR technique by using GeneXpert® MTB/RIF as documented in A4QT034
	Antimicrobial Susceptibility Testing	Method of proportion by using BACTEC MGIT 960 as documented in WI-A4QD024

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY - SEROLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Mycobacteriology	Acid Fast Bacilli (AFB) Smear	Kinyoun Stain method by using
Sputum tracheal Aspirate bronchoalveolar lavage	Microscopy	Light Microscope as documented TPM-A4QT021

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Nasopharyngeal	Acid Fast Bacilli (AFB) Smear	Auramine O stain method by
aspirate	Microscopy	using Flourecent Microscope as
body Fluids		documented TPM-A4QT020
Cerebrospinal Fluid	Auramine O stain method by	Ziehl Neelsen stain method by
urine	using Flourecent Microscope as	using Light Microscope as
Gastric Lavage	documented TPM-A4QT020	documented TPM-A4QT036
tissue	Isolation and Identification of	Fluorescence principle by using
pus	Bacteria (Mycobacterium	MGIT 960 as documented in
	tuberculosis complex)	A4QT016
	Isolation and Identification of	Multiplex Real-Time PCR
	Bacteria (Mycobacterium	technique by using ANYPLEX
	tuberculosis complex)	MTB/NTM as documented in
	, ,	A4QT014
	Isolation and Identification of	Multiplex, Rapid Real-Time PCR
	Bacteria (Mycobacterium	technique by using GeneXpert®
	tuberculosis complex)	MTB/RIF as documented in
	, ,	A4QT034
	Antimicrobial Susceptibility	Method of proportion by using
	Testing	BACTEC MGIT 960 as
		documented in WI-A4QD024

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
-	Properties Measured/	Equipment/Techniques Used
Mycobacteriology	Acid Fast Bacilli (AFB) Smear	Kinyoun Stain method by using
Sputum	Microscopy	Light Microscope as documented
tracheal Aspirate		TPM-A4QT021
bronchoalveolar	Acid Fast Bacilli (AFB) Smear	Auramine O stain method by
lavage	Microscopy	using Flourecent Microscope as
Nasopharyngeal		documented TPM-A4QT020
aspirate	Auramine O stain method by	Ziehl Neelsen stain method by
body Fluids	using Flourecent Microscope as	using Light Microscope as
Cerebrospinal Fluid	documented TPM-A4QT020	documented TPM-A4QT036
urine	Isolation and Identification of	Fluorescence principle by using
Gastric Lavage	Bacteria (Mycobacterium	MGIT 960 as documented in
tissue	tuberculosis complex)	A4QT016
pus	Isolation and Identification of	Multiplex Real-Time PCR
	Bacteria (Mycobacterium	technique by using ANYPLEX
	tuberculosis complex)	MTB/NTM as documented in A4QT014
	Isolation and Identification of	Multiplex, Rapid Real-Time PCR
	Bacteria (Mycobacterium	technique by using GeneXpert®
	tuberculosis complex)	MTB/RIF as documented in
		A4QT034
	Antimicrobial Susceptibility	Method of proportion by using
	Testing	BACTEC MGIT 960 as
		documented in WI-A4QD024

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SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY - SEROLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
•	Properties Measured/	Equipment/Techniques Used
Mycobacteriology	Acid Fast Bacilli (AFB) Smear	Kinyoun Stain method by using
Sputum	Microscopy	Light Microscope as documented
tracheal Aspirate		TPM-A4QT021
bronchoalveolar	Acid Fast Bacilli (AFB) Smear	Auramine O stain method by
lavage	Microscopy	using Flourecent Microscope as
Nasopharyngeal		documented TPM-A4QT020
aspirate	Auramine O stain method by	Ziehl Neelsen stain method by
body Fluids	using Flourecent Microscope as	using Light Microscope as
Cerebrospinal Fluid	documented TPM-A4QT020	documented TPM-A4QT036
urine	Isolation and Identification of	Fluorescence principle by using
Gastric Lavage	Bacteria (Mycobacterium	MGIT 960 as documented in
tissue	tuberculosis complex)	A4QT016
pus	Isolation and Identification of	Multiplex Real-Time PCR
	Bacteria (Mycobacterium	technique by using ANYPLEX
	tuberculosis complex)	MTB/NTM as documented in A4QT014
	Isolation and Identification of	Multiplex, Rapid Real-Time PCR
	Bacteria (Mycobacterium	technique by using GeneXpert®
	tuberculosis complex)	MTB/RIF as documented in
		A4QT034
	Antimicrobial Susceptibility	Method of proportion by using
	Testing	BACTEC MGIT 960 as
		documented in WI-A4QD024

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (IMMUNOLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Mycobacteriology Sputum tracheal Aspirate bronchoalveolar lavage Nasopharyngeal aspirate body Fluids Cerebrospinal Fluid urine Gastric Lavage tissue	Acid Fast Bacilli (AFB) Smear Microscopy	Kinyoun Stain method by using Light Microscope as documented TPM-A4QT021

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pus	Acid Fast Bacilli (AFB) Smear	Auramine O stain method by
	Microscopy	using Flourecent Microscope as
		documented TPM-A4QT020
	Auramine O stain method by	Ziehl Neelsen stain method by
	using Flourecent Microscope as	using Light Microscope as
	documented TPM-A4QT020	documented TPM-A4QT036
	Isolation and Identification of	Fluorescence principle by using
	Bacteria (Mycobacterium	MGIT 960 as documented in
	tuberculosis complex)	A4QT016
	Isolation and Identification of	Multiplex Real-Time PCR
	Bacteria (Mycobacterium	technique by using ANYPLEX
	tuberculosis complex)	MTB/NTM as documented in
		A4QT014
	Isolation and Identification of	Multiplex, Rapid Real-Time PCR
	Bacteria (Mycobacterium	technique by using GeneXpert®
	tuberculosis complex)	MTB/RIF as documented in
		A4QT034
	Antimicrobial Susceptibility	Method of proportion by using
	Testing	BACTEC MGIT 960 as
		documented in WI-A4QD024

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (PARASITOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Mycobacteriology	Acid Fast Bacilli (AFB) Smear	Kinyoun Stain method by using
Sputum	Microscopy	Light Microscope as documented
tracheal Aspirate		TPM-A4QT021
bronchoalveolar	Acid Fast Bacilli (AFB) Smear	Auramine O stain method by
lavage	Microscopy	using Flourecent Microscope as
Nasopharyngeal		documented TPM-A4QT020
aspirate	Auramine O stain method by	Ziehl Neelsen stain method by
body Fluids	using Flourecent Microscope as	using Light Microscope as
Cerebrospinal Fluid	documented TPM-A4QT020	documented TPM-A4QT036
urine	Isolation and Identification of	Fluorescence principle by using
Gastric Lavage	Bacteria (Mycobacterium	MGIT 960 as documented in
tissue	tuberculosis complex)	A4QT016
pus	Isolation and Identification of	Multiplex Real-Time PCR
	Bacteria (Mycobacterium	technique by using ANYPLEX
	tuberculosis complex)	MTB/NTM as documented in A4QT014
	Isolation and Identification of	Multiplex, Rapid Real-Time PCR
	Bacteria (Mycobacterium	technique by using GeneXpert®
	tuberculosis complex)	MTB/RIF as documented in
		A4QT034
	Antimicrobial Susceptibility	Method of proportion by using
	Testing	BACTEC MGIT 960 as
		documented in WI-A4QD024

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SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Bacteriology - Serology	Quantiferon TB Gold	Enzyme – linked Immunosorbent
Plasma		Assay (ELISA) method by using
		Thermo ELISA washer, Robonik
		ELISA washer and Thermo
		ELISA reader as documented in
		A1QD019

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (MYCOBACTERIOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Bacteriology - Serology	Quantiferon TB Gold	Enzyme – linked Immunosorbent
Plasma		Assay (ELISA) method by using
		Thermo ELISA washer, Robonik
		ELISA washer and Thermo
		ELISA reader as documented in
		A1QD019

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY - SEROLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Bacteriology - Serology	Quantiferon TB Gold	Enzyme – linked Immunosorbent
Plasma		Assay (ELISA) method by using
		Thermo ELISA washer, Robonik
		ELISA washer and Thermo
		ELISA reader as documented in
		A1QD019

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods,Specifications/ Equipment/Techniques Used
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Bacteriology - Serology	Quantiferon TB Gold	Enzyme – linked Immunosorbent
Plasma		Assay (ELISA) method by using
		Thermo ELISA washer, Robonik
		ELISA washer and Thermo
		ELISA reader as documented in
		A1QD019

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY - SEROLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Bacteriology - Serology	Quantiferon TB Gold	Enzyme – linked Immunosorbent
Plasma		Assay (ELISA) method by using
		Thermo ELISA washer, Robonik
		ELISA washer and Thermo
		ELISA reader as documented in
		A1QD019

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (IMMUNOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Bacteriology - Serology	Quantiferon TB Gold	Enzyme – linked Immunosorbent
Plasma		Assay (ELISA) method by using
		Thermo ELISA washer, Robonik
		ELISA washer and Thermo
		ELISA reader as documented in
		A1QD019

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (PARASITOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Bacteriology - Serology	Quantiferon TB Gold	Enzyme – linked Immunosorbent
Plasma		Assay (ELISA) method by using
		Thermo ELISA washer, Robonik
		ELISA washer and Thermo
		ELISA reader as documented in
		A1QD019

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SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Virology Cervical Swab, Gynecology Liquid Base Specimen	HPV Genotyping	Automated PCR test method by using Microlab Nimbus, as documented in: i) Work Instruction A12QD002 ii) Technical Procedure Manual A12QT013
Virology Stool	Gastrointestinal Bacterial Pathogen Panel (GBPP)	Automated PCR procedure by using Microlab Nimbus and manual procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD039 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
	Gastrointestinal Viral Pathogen Panel (GVPP)	Automated PCR procedure by using Microlab Nimbus and manual procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD038 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
	Rapid Filmarray Gastrointestinal Panel (GIP)	Automated PCR procedure by using Biofire FilmArray, as documented in Work Instruction A12QD007
Plasma	HIV-1 RNA Viral Load	Automated PCR procedure by using GeneXpert Dx, as documented in Work Instruction A12QD010.
Serum , Plasma	HCV RNA Viral Load	Automated PCR procedure by using GeneXpert Dx, as documented in Work Instruction A12QD009.

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	Dengue Differentiation Panel	Automated PCR procedure by using QIAamp MinElute, as documented in: i) Work Instruction A12QD040 ii) Technical Procedure Manual A12QT011 iii) Technical Procedure Manual A12QT013
Whole Blood	HIV-1 RNA Qualitative	Automated PCR procedure by using GeneXpert Dx, as documented in Work Instruction A12QD011.
Whole Blood , Csf	Meningitis Viral Pathogen Panel (HSV1 & HSV2)	Automated PCR procedure by using Microlab Nimbus and manual procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD035 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Genital Swab , Lbc , Urine	Genital Ulcer Panel (HSV1 & HSV2)	Manual PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD037 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Upper And Lower Respiratory Specimens	Respiratory Bacterial Pathogen Panel	Automated PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD034 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (MYCOBACTERIOLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used

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HPV Genotyping	Automated PCR test method by using Microlab Nimbus, as documented in: i) Work Instruction A12QD002 ii) Technical Procedure Manual A12QT013
Gastrointestinal Bacterial Pathogen Panel (GBPP)	Automated PCR procedure by using Microlab Nimbus and manual procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD039 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Gastrointestinal Viral Pathogen Panel (GVPP)	Attomated PCR procedure by using Microlab Nimbus and manual procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD038 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Rapid Filmarray Gastrointestinal Panel (GIP)	Automated PCR procedure by using Biofire FilmArray, as documented in Work Instruction A12QD007
HIV-1 RNA Viral Load	Automated PCR procedure by using GeneXpert Dx, as documented in Work Instruction A12QD010.
HCV RNA Viral Load	Automated PCR procedure by using GeneXpert Dx, as documented in Work Instruction A12QD009.
Dengue Differentiation Panel	Automated PCR procedure by using QIAamp MinElute, as documented in: i) Work Instruction A12QD040 ii) Technical Procedure Manual A12QT011 iii) Technical Procedure Manual A12QT013
	Gastrointestinal Bacterial Pathogen Panel (GBPP) Gastrointestinal Viral Pathogen Panel (GVPP) Rapid Filmarray Gastrointestinal Panel (GIP) HIV-1 RNA Viral Load HCV RNA Viral Load

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Whole Blood	HIV-1 RNA Qualitative	Automated PCR procedure by using GeneXpert Dx, as documented in Work Instruction A12QD011.
Whole Blood , Csf	Meningitis Viral Pathogen Panel (HSV1 & HSV2)	Automated PCR procedure by using Microlab Nimbus and manual procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD035 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Genital Swab , Lbc , Urine	Genital Ulcer Panel (HSV1 & HSV2)	Manual PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD037 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Upper And Lower Respiratory Specimens	Respiratory Bacterial Pathogen Panel	Automated PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD034 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY - SEROLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Virology Cervical Swab, Gynecology Liquid Base Specimen	HPV Genotyping	Automated PCR test method by using Microlab Nimbus, as documented in: i) Work Instruction A12QD002 ii) Technical Procedure Manual A12QT013

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Virology Stool	Gastrointestinal Bacterial Pathogen Panel (GBPP)	Automated PCR procedure by using Microlab
		Nimbus and manual procedure by using
		Geneall Ribospin, as documented in:
		i) Work Instruction A12QD039
		ii) Technical Procedure Manual A12QT012
		iii) Technical Procedure Manual A12QT013
	Gastrointestinal Viral Pathogen Panel (GVPP)	Automated PCR procedure by using Microlab
		Nimbus and manual procedure by using
		Geneall Ribospin, as
		documented in: i) Work Instruction A12QD038
		ii) Technical Procedure Manual
		A12QT012
		iii) Technical Procedure Manual A12QT013
	Rapid Filmarray Gastrointestinal	Automated PCR procedure by
	Panel (GIP)	using Biofire FilmArray, as
		documented in Work Instruction A12QD007
Plasma	HIV-1 RNA Viral Load	Automated PCR procedure by using GeneXpert Dx, as
		documented in Work Instruction
		A12QD010.
Serum , Plasma	HCV RNA Viral Load	Automated PCR procedure by using GeneXpert Dx, as
		documented in Work Instruction
		A12QD009.
	Dengue Differentiation Panel	Automated PCR procedure by using QIAamp
		MinElute, as documented in:
		i) Work Instruction A12QD040
		ii) Technical Procedure Manual
		A12QT011 iii) Technical Procedure Manual
		A12QT013
Whole Blood	HIV-1 RNA Qualitative	Automated PCR procedure by
		using GeneXpert Dx, as documented in Work Instruction
		A12QD011.

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Whole Blood , Csf	Meningitis Viral Pathogen Panel (HSV1 & HSV2)	Automated PCR procedure by using Microlab Nimbus and manual procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD035 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Genital Swab , Lbc , Urine	Genital Ulcer Panel (HSV1 & HSV2)	Manual PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD037 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Upper And Lower Respiratory Specimens	Respiratory Bacterial Pathogen Panel	Automated PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD034 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Virology	HPV Genotyping	Automated PCR test method by
Cervical Swab, Gynecology Liquid		using Microlab
Base Specimen		Nimbus, as documented in:
		i) Work Instruction A12QD002
		ii) Technical Procedure Manual
		Á12QT013

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Whole Blood , Csf	Meningitis Viral Pathogen Panel (HSV1 & HSV2)	Automated PCR procedure by using Microlab Nimbus and manual procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD035 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Genital Swab , Lbc , Urine	Genital Ulcer Panel (HSV1 & HSV2)	Manual PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD037 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Upper And Lower Respiratory Specimens	Respiratory Bacterial Pathogen Panel	Automated PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD034 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY - SEROLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Virology Cervical Swab, Gynecology Liquid Base Specimen	HPV Genotyping	Automated PCR test method by using Microlab Nimbus, as documented in: i) Work Instruction A12QD002 ii) Technical Procedure Manual A12QT013

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Whole Blood , Csf	Meningitis Viral Pathogen Panel (HSV1 & HSV2)	Automated PCR procedure by using Microlab Nimbus and manual procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD035 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Genital Swab , Lbc , Urine	Genital Ulcer Panel (HSV1 & HSV2)	Manual PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD037 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Upper And Lower Respiratory Specimens	Respiratory Bacterial Pathogen Panel	Automated PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD034 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (IMMUNOLOGY)

. , , , , , , , , , , , , , , , , , , ,	Test Methods, Specifications/
Properties Measured/	Equipment/Techniques Used
HPV Genotyping	Automated PCR test method by using Microlab Nimbus, as documented in: i) Work Instruction A12QD002 ii) Technical Procedure Manual A12QT013
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Whole Blood , Csf	Meningitis Viral Pathogen Panel (HSV1 & HSV2)	Automated PCR procedure by using Microlab Nimbus and manual procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD035 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Genital Swab , Lbc , Urine	Genital Ulcer Panel (HSV1 & HSV2)	Manual PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD037 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Upper And Lower Respiratory Specimens	Respiratory Bacterial Pathogen Panel	Automated PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD034 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (PARASITOLOGY)

. , , , , , , , , , , , , , , , , , , ,	Test Methods, Specifications/
Properties Measured/	Equipment/Techniques Used
HPV Genotyping	Automated PCR test method by using Microlab Nimbus, as documented in: i) Work Instruction A12QD002 ii) Technical Procedure Manual A12QT013
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Whole Blood , Csf	Meningitis Viral Pathogen Panel (HSV1 & HSV2)	Automated PCR procedure by using Microlab Nimbus and manual procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD035 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Genital Swab , Lbc , Urine	Genital Ulcer Panel (HSV1 & HSV2)	Manual PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD037 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013
Upper And Lower Respiratory Specimens	Respiratory Bacterial Pathogen Panel	Automated PCR procedure by using Geneall Ribospin, as documented in: i) Work Instruction A12QD034 ii) Technical Procedure Manual A12QT012 iii) Technical Procedure Manual A12QT013

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Virology - Serology	HIV 1/2 Screening HIV Antigen /	Electrochemiluminescence
Serum	Antibody	Immunoassay (eCLIA) method by
plasma (li-heparin, Naheparin,		using Roche Cobas e601 as
K2-edta, K3-edta, Acd, Cpd, Cp2d,		documented in A2QD001 - Work
Cpda, Na-citrate)		Instruction – Test Handling on
		Roche Cobas 6000 and
		A1QW001 – Standard Technical
		ProcedureHIV COMBI PT
Serum	Hepatitis C Virus Screening	Electrochemiluminescence
plasma (li-heparin, Naheparin,	AntiHCV	Immunoassay (eCLIA) method by
K2-edta, K3-edta, Acd, Cpda, Na-		using Roche / Cobas e601 as
citrate)		documented in A2QD001 - Work
		Instruction - Test Handling on
		Roche Cobas 6000 and
		A1QW002 – Standard Technical
		ProcedureAnti-HCV

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Serum	HIV Line Immunoassay	Immunoblot method by using
plasma (citrate, Heparin, Edta)		manual procedure as
		documented in A1QD017 -
		Processing of HIV Line
		Immunoassay
	HCV Line Immunoassay	Immunoblot method by using
		manual procedure as
		documented in A1QD020 -
		Processing of HCV Line
		Immunoassay.
Serum , Plasma	HIV Particle Agglutination	Particle Agglutination method by
		using manual procedure as
		documented in A1QD018-
		Processing of HIV Particle
		Agglutination (HIV-PA) Test
	Anti Hepatitis A Virus (HAV)	Electrochemiluminescence
	Antibody	Immunoassay (ECLIA) by using
		Roche Cobas 6000 as
		documented in A1QW003
	Anti Hepatitis B Surface (HBs)	Sandwich Principle Immunoassay
	Antibody	by using Roche Cobas 6000 as
		documented in A1QW004
	Hepatitis B Surface Antigen	Sandwich Principle Immunoassay
		by using Roche Cobas 6000 as
		documented in A1QW005
	Syphilis	Rapid Plasma Reagin (RPR) Test
		method by using manual
		procedure as documented in
		A1QD002
	Rheumatoid Factor	Immunoturbidimetric Assay by
		using Roche Cobas 6000 as
		documented in A1QD027

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (MYCOBACTERIOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Virology - Serology	HIV 1/2 Screening HIV Antigen /	Electrochemiluminescence
Serum	Antibody	Immunoassay (eCLIA) method by
plasma (li-heparin, Naheparin,		using Roche Cobas e601 as
K2-edta, K3-edta, Acd, Cpd, Cp2d,		documented in A2QD001 - Work
Cpda, Na-citrate)		Instruction – Test Handling on
		Roche Cobas 6000 and
		A1QW001 – Standard Technical
		ProcedureHIV COMBI PT

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Serum plasma (li-heparin, Naheparin, K2-edta, K3-edta, Acd, Cpda, Na- citrate)	Hepatitis C Virus Screening AntiHCV	Electrochemiluminescence Immunoassay (eCLIA) method by using Roche / Cobas e601 as documented in A2QD001 - Work Instruction - Test Handling on Roche Cobas 6000 and A1QW002 - Standard Technical ProcedureAnti-HCV
Serum plasma (citrate, Heparin, Edta)	HIV Line Immunoassay	Immunoblot method by using manual procedure as documented in A1QD017 - Processing of HIV Line Immunoassay
	HCV Line Immunoassay	Immunoblot method by using manual procedure as documented in A1QD020 - Processing of HCV Line Immunoassay.
Serum , Plasma	HIV Particle Agglutination	Particle Agglutination method by using manual procedure as documented in A1QD018-Processing of HIV Particle Agglutination (HIV-PA) Test
	Anti Hepatitis A Virus (HAV) Antibody	Electrochemiluminescence Immunoassay (ECLIA) by using Roche Cobas 6000 as documented in A1QW003
	Anti Hepatitis B Surface (HBs) Antibody	Sandwich Principle Immunoassay by using Roche Cobas 6000 as documented in A1QW004
	Hepatitis B Surface Antigen	Sandwich Principle Immunoassay by using Roche Cobas 6000 as documented in A1QW005
	Syphilis	Rapid Plasma Reagin (RPR) Test method by using manual procedure as documented in A1QD002
	Rheumatoid Factor	Immunoturbidimetric Assay by using Roche Cobas 6000 as documented in A1QD027

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY - SEROLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
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Virology - Serology Serum plasma (li-heparin, Naheparin, K2-edta, K3-edta, Acd, Cpd, Cp2d, Cpda, Na-citrate)	HIV 1/2 Screening HIV Antigen / Antibody	Electrochemiluminescence Immunoassay (eCLIA) method by using Roche Cobas e601 as documented in A2QD001 - Work Instruction – Test Handling on Roche Cobas 6000 and A1QW001 – Standard Technical ProcedureHIV COMBI PT
Serum plasma (li-heparin, Naheparin, K2-edta, K3-edta, Acd, Cpda, Na- citrate)	Hepatitis C Virus Screening AntiHCV	Electrochemiluminescence Immunoassay (eCLIA) method by using Roche / Cobas e601 as documented in A2QD001 - Work Instruction - Test Handling on Roche Cobas 6000 and A1QW002 - Standard Technical ProcedureAnti-HCV
Serum plasma (citrate, Heparin, Edta)	HIV Line Immunoassay	Immunoblot method by using manual procedure as documented in A1QD017 - Processing of HIV Line Immunoassay
	HCV Line Immunoassay	Immunoblot method by using manual procedure as documented in A1QD020 - Processing of HCV Line Immunoassay.
Serum , Plasma	HIV Particle Agglutination	Particle Agglutination method by using manual procedure as documented in A1QD018-Processing of HIV Particle Agglutination (HIV-PA) Test
	Anti Hepatitis A Virus (HAV) Antibody	Electrochemiluminescence Immunoassay (ECLIA) by using Roche Cobas 6000 as documented in A1QW003
	Anti Hepatitis B Surface (HBs) Antibody	Sandwich Principle Immunoassay by using Roche Cobas 6000 as documented in A1QW004
	Hepatitis B Surface Antigen	Sandwich Principle Immunoassay by using Roche Cobas 6000 as documented in A1QW005
	Syphilis	Rapid Plasma Reagin (RPR) Test method by using manual procedure as documented in A1QD002
	Rheumatoid Factor	Immunoturbidimetric Assay by using Roche Cobas 6000 as documented in A1QD027

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SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Virology - Serology Serum plasma (li-heparin, Naheparin, K2-edta, K3-edta, Acd, Cpd, Cp2d, Cpda, Na-citrate)	HIV 1/2 Screening HIV Antigen / Antibody	Electrochemiluminescence Immunoassay (eCLIA) method by using Roche Cobas e601 as documented in A2QD001 - Work Instruction – Test Handling on Roche Cobas 6000 and A1QW001 – Standard Technical ProcedureHIV COMBI PT
Serum plasma (li-heparin, Naheparin, K2-edta, K3-edta, Acd, Cpda, Na- citrate)	Hepatitis C Virus Screening AntiHCV	Electrochemiluminescence Immunoassay (eCLIA) method by using Roche / Cobas e601 as documented in A2QD001 - Work Instruction - Test Handling on Roche Cobas 6000 and A1QW002 - Standard Technical ProcedureAnti-HCV
Serum plasma (citrate, Heparin, Edta)	HIV Line Immunoassay	Immunoblot method by using manual procedure as documented in A1QD017 - Processing of HIV Line Immunoassay
	HCV Line Immunoassay	Immunoblot method by using manual procedure as documented in A1QD020 - Processing of HCV Line Immunoassay.
Serum , Plasma	HIV Particle Agglutination	Particle Agglutination method by using manual procedure as documented in A1QD018-Processing of HIV Particle Agglutination (HIV-PA) Test
	Anti Hepatitis A Virus (HAV) Antibody	Electrochemiluminescence Immunoassay (ECLIA) by using Roche Cobas 6000 as documented in A1QW003
	Anti Hepatitis B Surface (HBs) Antibody	Sandwich Principle Immunoassay by using Roche Cobas 6000 as documented in A1QW004
	Hepatitis B Surface Antigen	Sandwich Principle Immunoassay by using Roche Cobas 6000 as documented in A1QW005
	Syphilis	Rapid Plasma Reagin (RPR) Test method by using manual procedure as documented in A1QD002

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Rheumatoid Factor	Immunoturbidimetric Assay by	
	using Roche Cobas 6000 as	
	documented in A1QD027	

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY - SEROLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Virology - Serology Serum plasma (li-heparin, Naheparin, K2-edta, K3-edta, Acd, Cpd, Cp2d, Cpda, Na-citrate)	HIV 1/2 Screening HIV Antigen / Antibody	Electrochemiluminescence Immunoassay (eCLIA) method by using Roche Cobas e601 as documented in A2QD001 - Work Instruction – Test Handling on Roche Cobas 6000 and A1QW001 – Standard Technical ProcedureHIV COMBI PT
Serum plasma (li-heparin, Naheparin, K2-edta, K3-edta, Acd, Cpda, Na- citrate)	Hepatitis C Virus Screening AntiHCV	Electrochemiluminescence Immunoassay (eCLIA) method by using Roche / Cobas e601 as documented in A2QD001 - Work Instruction - Test Handling on Roche Cobas 6000 and A1QW002 – Standard Technical ProcedureAnti-HCV
Serum plasma (citrate, Heparin, Edta)	HIV Line Immunoassay	Immunoblot method by using manual procedure as documented in A1QD017 - Processing of HIV Line Immunoassay
	HCV Line Immunoassay	Immunoblot method by using manual procedure as documented in A1QD020 - Processing of HCV Line Immunoassay.
Serum , Plasma	HIV Particle Agglutination	Particle Agglutination method by using manual procedure as documented in A1QD018-Processing of HIV Particle Agglutination (HIV-PA) Test
	Anti Hepatitis A Virus (HAV) Antibody	Electrochemiluminescence Immunoassay (ECLIA) by using Roche Cobas 6000 as documented in A1QW003
	Anti Hepatitis B Surface (HBs) Antibody	Sandwich Principle Immunoassay by using Roche Cobas 6000 as documented in A1QW004

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Hepatitis B Surface Antigen	Sandwich Principle Immunoassay by using Roche Cobas 6000 as documented in A1QW005
Syphilis	Rapid Plasma Reagin (RPR) Test method by using manual procedure as documented in A1QD002
Rheumatoid Factor	Immunoturbidimetric Assay by using Roche Cobas 6000 as documented in A1QD027

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (IMMUNOLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Virology - Serology Serum plasma (li-heparin, Naheparin, K2-edta, K3-edta, Acd, Cpd, Cp2d, Cpda, Na-citrate)	HIV 1/2 Screening HIV Antigen / Antibody	Electrochemiluminescence Immunoassay (eCLIA) method by using Roche Cobas e601 as documented in A2QD001 - Work Instruction – Test Handling on Roche Cobas 6000 and A1QW001 – Standard Technical ProcedureHIV COMBI PT
Serum plasma (li-heparin, Naheparin, K2-edta, K3-edta, Acd, Cpda, Na- citrate)	Hepatitis C Virus Screening AntiHCV	Electrochemiluminescence Immunoassay (eCLIA) method by using Roche / Cobas e601 as documented in A2QD001 - Work Instruction - Test Handling on Roche Cobas 6000 and A1QW002 - Standard Technical ProcedureAnti-HCV
Serum plasma (citrate, Heparin, Edta)	HIV Line Immunoassay	Immunoblot method by using manual procedure as documented in A1QD017 - Processing of HIV Line Immunoassay
	HCV Line Immunoassay	Immunoblot method by using manual procedure as documented in A1QD020 - Processing of HCV Line Immunoassay.
Serum , Plasma	HIV Particle Agglutination	Particle Agglutination method by using manual procedure as documented in A1QD018-Processing of HIV Particle Agglutination (HIV-PA) Test

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Anti Hepatitis A Virus (HAV)	Electrochemiluminescence
Antibody	Immunoassay (ECLIA) by using
,	Roche Cobas 6000 as
	documented in A1QW003
Anti Hepatitis B Surface (HBs)	Sandwich Principle Immunoassay
Antibody	by using Roche Cobas 6000 as
·	documented in A1QW004
Hepatitis B Surface Antigen	Sandwich Principle Immunoassay
	by using Roche Cobas 6000 as
	documented in A1QW005
Syphilis	Rapid Plasma Reagin (RPR) Test
	method by using manual
	procedure as documented in
	A1QD002
Rheumatoid Factor	Immunoturbidimetric Assay by
	using Roche Cobas 6000 as
	documented in A1QD027

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (PARASITOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Virology - Serology	HIV 1/2 Screening HIV Antigen /	Electrochemiluminescence
Serum	Antibody	Immunoassay (eCLIA) method by
plasma (li-heparin, Naheparin,		using Roche Cobas e601 as
K2-edta, K3-edta, Acd, Cpd, Cp2d,		documented in A2QD001 - Work
Cpda, Na-citrate)		Instruction – Test Handling on
		Roche Cobas 6000 and
		A1QW001 – Standard Technical
		ProcedureHIV COMBI PT
Serum	Hepatitis C Virus Screening	Electrochemiluminescence
plasma (li-heparin, Naheparin,	AntiHCV	Immunoassay (eCLIA) method by
K2-edta, K3-edta, Acd, Cpda, Na-		using Roche / Cobas e601 as
citrate)		documented in A2QD001 - Work
		Instruction - Test Handling on
		Roche Cobas 6000 and
		A1QW002 – Standard Technical
		ProcedureAnti-HCV
Serum	HIV Line Immunoassay	Immunoblot method by using
plasma (citrate, Heparin, Edta)		manual procedure as
		documented in A1QD017 -
		Processing of HIV Line
		Immunoassay
	HCV Line Immunoassay	Immunoblot method by using
		manual procedure as
		documented in A1QD020 -
		Processing of HCV Line
		Immunoassay.

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Serum , Plasma	HIV Particle Agglutination	Particle Agglutination method by
		using manual procedure as
		documented in A1QD018-
		Processing of HIV Particle
		Agglutination (HIV-PA) Test
	Anti Hepatitis A Virus (HAV)	Electrochemiluminescence
	Antibody	Immunoassay (ECLIA) by using
		Roche Cobas 6000 as
		documented in A1QW003
	Anti Hepatitis B Surface (HBs)	Sandwich Principle Immunoassay
	Antibody	by using Roche Cobas 6000 as
		documented in A1QW004
	Hepatitis B Surface Antigen	Sandwich Principle Immunoassay
		by using Roche Cobas 6000 as
		documented in A1QW005
	Syphilis	Rapid Plasma Reagin (RPR) Test
		method by using manual
		procedure as documented in
		A1QD002
	Rheumatoid Factor	Immunoturbidimetric Assay by
		using Roche Cobas 6000 as
		documented in A1QD027

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Immunology	Anti-Double Stranded DNA	Enzyme-linked Immunosorbent
Serum	(DsDNA)	Assay (ELISA) method by using
		Thermo ELISA washer, Robonik
		ELISA washer and Thermo
		ELISA reader as documented in
		A1QD008
	Diabetic Mellitus Type 1: Antilslet	Chemiluminescence
	Cell Cytoplasmic Autoantibodies	Immunoassay (CLIA) by using
	(Anti ICA)	Snibe Maglumi System as
		documented in A1QD035
	Diabetic Mellitus Type 1:	Chemiluminescence
	AntiGlutamic Acid Decarboxylase	Immunoassay (CLIA) by using
	Autoantibodies (Anti GAD)	Snibe Maglumi System as
		documented in A1QD035
	Diabetic Mellitus Type 1:	Chemiluminescence
	Antilnsulinoma-Associated-2	Immunoassay (CLIA) by using
	Autoantibodies (Anti IA-2: Also	Snibe Maglumi System as
	known as Anti-tyrosine phosphatase)	documented in A1QD035

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	Autoimmuno Liver Autocatile elie	Indirect Immunefluers
	Autoimmune Liver Autoantibodies	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD030
Immunology Serum , Csf	Anti Ganglioside Antibody	Enzyme Immunodot Assay method by using manual procedure as documented in A1QD023
Serum , Plasma	Anti-Nuclear Antibody (ANA) IFA/IIFT	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD024
	Extractable Nuclear Antigen Panels (ENA)	Immunoblot method by using Eurolinemaster and manual procedure as documented in A1QD023
	Anti-Neutrophil Cytoplasmic Antibody (ANCA) IFA/IIFT Screening	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD025
	Myeloperoxidase (MPO)	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
	Proteinase 3 (PR3)	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
	Glomerular Basement Membrane (GBM)	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
	Anti-Acetylcholine Receptor Antibodies (AcHR)	Enzyme-linked Immunosorbent Assay (ELISA) method by using Thermo ELISA washer, Robonik ELISA washer and Thermo ELISA reader as documented in A1QD032
	Anti-Phospholipase-A2- Receptor Antibodies (PLA2R)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD031

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	Anti-Phospholipase-A2- Receptor Antibodies (PLA2R)	Enzyme-linked Immunosorbent Assay (ELISA) method by using Thermo ELISA washer, Robonik ELISA washer and Thermo ELISA reader as documented in A1QD034
	Myositis / Myopathies Antibodies	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023
	Liver Specific Autoantibodies	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023
	Total IgE	Electrochemiluminescence Immunoassay (ECLIA) by using Roche Cobas 6000 as documented in A2QD001
	Specific IgE i. Prawn ii. Peanut iii. Cashew iv. Cow's Milk v. Egg	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
	vi. Sesame Seed vii. Soy viii. Wheat Grain ix. Cat Epithelium / Dander x. Bermuda Grass xi. House Dust Mite (Dermatophagoides	
	Pteronyssinus) xii. Aspergillus Fumigatus xiii. Alternaria Alternata / Tenuis xiv. Animal Epithelium Mix xv. Mould Mix	
Serum , Csf , Plasma	Anti-Aquaporin 4 (AQP-4)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD028
	Autoimmune Encephalitis	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD039

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	Neuronal Antibodies (Paraneoplastic Antibodies)	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023
	Anti–N-Methyl-D-Aspartate Receptor (NMDAR)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD026
Serum , Cs , Plasma	Anti-Myelin Oligodendrocyte Glycoprotein (MOG)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD029

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (MYCOBACTERIOLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Immunology Serum	Anti-Double Stranded DNA (DsDNA)	Enzyme-linked Immunosorbent Assay (ELISA) method by using Thermo ELISA washer, Robonik ELISA washer and Thermo ELISA reader as documented in A1QD008
	Diabetic Mellitus Type 1: Antilslet Cell Cytoplasmic Autoantibodies (Anti ICA)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Diabetic Mellitus Type 1: AntiGlutamic Acid Decarboxylase Autoantibodies (Anti GAD)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Diabetic Mellitus Type 1: Antilnsulinoma-Associated-2 Autoantibodies (Anti IA-2: Also known as Anti-tyrosine phosphatase)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Autoimmune Liver Autoantibodies	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD030

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Immunology Serum , Csf	Anti Ganglioside Antibody	Enzyme Immunodot Assay method by using manual procedure as documented in A1QD023
Serum , Plasma	Anti-Nuclear Antibody (ANA) IFA/IIFT	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD024
	Extractable Nuclear Antigen Panels (ENA)	Immunoblot method by using Eurolinemaster and manual procedure as documented in A1QD023
	Anti-Neutrophil Cytoplasmic Antibody (ANCA) IFA/IIFT Screening	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD025
	Myeloperoxidase (MPO)	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
	Proteinase 3 (PR3)	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
	Glomerular Basement Membrane (GBM)	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
	Anti-Acetylcholine Receptor Antibodies (AcHR)	Enzyme-linked Immunosorbent Assay (ELISA) method by using Thermo ELISA washer, Robonik ELISA washer and Thermo ELISA reader as documented in A1QD032
	Anti-Phospholipase-A2- Receptor Antibodies (PLA2R)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD031
	Anti-Phospholipase-A2- Receptor Antibodies (PLA2R)	Enzyme-linked Immunosorbent Assay (ELISA) method by using Thermo ELISA washer, Robonik ELISA washer and Thermo ELISA reader as documented in A1QD034

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	Myositis / Myopathies Antibodies	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023
	Liver Specific Autoantibodies	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023
	Total IgE	Electrochemiluminescence Immunoassay (ECLIA) by using Roche Cobas 6000 as documented in A2QD001
	Specific IgE i. Prawn ii. Peanut iii. Cashew iv. Cow's Milk v. Egg vi. Sesame Seed	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
	vii. Soy viii. Wheat Grain ix. Cat Epithelium / Dander x. Bermuda Grass xi. House Dust Mite (Dermatophagoides Pteronyssinus)	
	xii. Aspergillus Fumigatus xiii. Alternaria Alternata / Tenuis xiv. Animal Epithelium Mix xv. Mould Mix	
Serum , Csf , Plasma	Anti-Aquaporin 4 (AQP-4)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD028
	Autoimmune Encephalitis	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD039
	Neuronal Antibodies (Paraneoplastic Antibodies)	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023

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	Anti-N-Methyl-D-Aspartate	Indirect Immunofluorescence
	Receptor (NMDAR)	Test (IIFT) method by using
		Nikon Immunofluorescent
		Microscope & Olympus
		Immunofluorescent Microscope
		as documented in A1QD026
Serum , Cs , Plasma	Anti-Myelin Oligodendrocyte	Indirect Immunofluorescence
	Glycoprotein (MOG)	Test (IIFT) method by using
		Nikon Immunofluorescent
		Microscope & Olympus
		Immunofluorescent Microscope
		as documented in A1QD029

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY - SEROLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Immunology	Anti-Double Stranded DNA	Enzyme-linked Immunosorbent
Serum	(DsDNA)	Assay (ELISA) method by using
		Thermo ELISA washer, Robonik
		ELISA washer and Thermo
		ELISA reader as documented in
		A1QD008
	Diabetic Mellitus Type 1: Antilslet	Chemiluminescence
	Cell Cytoplasmic Autoantibodies	Immunoassay (CLIA) by using
	(Anti ICA)	Snibe Maglumi System as
		documented in A1QD035
	Diabetic Mellitus Type 1:	Chemiluminescence
	AntiGlutamic Acid Decarboxylase	Immunoassay (CLIA) by using
	Autoantibodies (Anti GAD)	Snibe Maglumi System as
		documented in A1QD035
	Diabetic Mellitus Type 1:	Chemiluminescence
	AntiInsulinoma-Associated-2	Immunoassay (CLIA) by using
	Autoantibodies (Anti IA-2: Also	Snibe Maglumi System as
	known as Anti-tyrosine	documented in A1QD035
	phosphatase)	
	Autoimmune Liver Autoantibodies	Indirect Immunofluorescence
		Test (IIFT) method by using
		Nikon Immunofluorescent
		Microscope & Olympus
		Immunofluorescent Microscope
		as documented in A1QD030
Immunology	Anti Ganglioside Antibody	Enzyme Immunodot Assay
Serum , Csf		method by using manual
		procedure as documented in
		A1QD023

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Serum , Plasma	Anti-Nuclear Antibody (ANA) IFA/IIFT	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD024
	Extractable Nuclear Antigen Panels (ENA)	Immunoblot method by using Eurolinemaster and manual procedure as documented in A1QD023
	Anti-Neutrophil Cytoplasmic Antibody (ANCA) IFA/IIFT Screening	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD025
	Myeloperoxidase (MPO)	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
	Proteinase 3 (PR3)	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
	Glomerular Basement Membrane (GBM)	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
	Anti-Acetylcholine Receptor Antibodies (AcHR)	Enzyme-linked Immunosorbent Assay (ELISA) method by using Thermo ELISA washer, Robonik ELISA washer and Thermo ELISA reader as documented in A1QD032
	Anti-Phospholipase-A2- Receptor Antibodies (PLA2R)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD031
	Anti-Phospholipase-A2- Receptor Antibodies (PLA2R)	Enzyme-linked Immunosorbent Assay (ELISA) method by using Thermo ELISA washer, Robonik ELISA washer and Thermo ELISA reader as documented in A1QD034
	Myositis / Myopathies Antibodies	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023

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	Liver Specific Autoantibodies	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023
	Total IgE	Electrochemiluminescence Immunoassay (ECLIA) by using Roche Cobas 6000 as documented in A2QD001
	Specific IgE i. Prawn ii. Peanut iii. Cashew iv. Cow's Milk v. Egg vi. Sesame Seed vii. Soy viii. Wheat Grain ix. Cat Epithelium / Dander x. Bermuda Grass xi. House Dust Mite (Dermatophagoides Pteronyssinus) xii. Aspergillus Fumigatus xiii. Alternaria Alternata / Tenuis xiv. Animal Epithelium Mix xv. Mould Mix	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
Serum , Csf , Plasma	Anti-Aquaporin 4 (AQP-4)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD028
	Autoimmune Encephalitis	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD039
	Neuronal Antibodies (Paraneoplastic Antibodies)	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023
	Anti–N-Methyl-D-Aspartate Receptor (NMDAR)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD026

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Serum , Cs , Plasma	Anti-Myelin Oligodendrocyte	Indirect Immunofluorescence
	Glycoprotein (MOG)	Test (IIFT) method by using
		Nikon Immunofluorescent
		Microscope & Olympus
		Immunofluorescent Microscope
		as documented in A1QD029

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Immunology Serum	Anti-Double Stranded DNA (DsDNA)	Enzyme-linked Immunosorbent Assay (ELISA) method by using Thermo ELISA washer, Robonik ELISA washer and Thermo ELISA reader as documented in A1QD008
	Diabetic Mellitus Type 1: Antilslet Cell Cytoplasmic Autoantibodies (Anti ICA)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Diabetic Mellitus Type 1: AntiGlutamic Acid Decarboxylase Autoantibodies (Anti GAD)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Diabetic Mellitus Type 1: Antilnsulinoma-Associated-2 Autoantibodies (Anti IA-2: Also known as Anti-tyrosine phosphatase)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Autoimmune Liver Autoantibodies	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD030
Immunology Serum , Csf	Anti Ganglioside Antibody	Enzyme Immunodot Assay method by using manual procedure as documented in A1QD023
Serum , Plasma	Anti-Nuclear Antibody (ANA) IFA/IIFT	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD024

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Extractable Nuclear Antigen	Immunoblot method by using
Panels (ENA)	Eurolinemaster and manual
	procedure as documented in
	A1QD023
Anti-Neutrophil Cytoplasmic	Indirect Immunofluorescence
Antibody (ANCA) IFA/IIFT	Test (IIFT) method by using
Screening	Nikon Immunofluorescent
g	Microscope & Olympus
	Immunofluorescent Microscope
	as documented in A1QD025
Myeloperoxidase (MPO)	Fluorescence Enzyme
iviyeloperoxidase (ivii O)	Immunoassay (FEIA) method by
	using Phadia 250 Test System as
	documented in A1QD016
Proteinase 3 (PR3)	
Proteinase 3 (PR3)	Fluorescence Enzyme
	Immunoassay (FEIA) method by
	using Phadia 250 Test System as
	documented in A1QD016
Glomerular Basement Membrane	Fluorescence Enzyme
(GBM)	Immunoassay (FEIA) method by
	using Phadia 250 Test System as
	documented in A1QD016
Anti-Acetylcholine Receptor	Enzyme-linked Immunosorbent
Antibodies (AcHR)	Assay (ELISA) method by using
	Thermo ELISA washer, Robonik
	ELISA washer and Thermo
	ELISA reader as documented in
	A1QD032
Anti-Phospholipase-A2- Receptor	Indirect Immunofluorescence
Antibodies (PLA2R)	Test (IIFT) method by using
	Nikon Immunofluorescent
	Microscope & Olympus
	Immunofluorescent Microscope
	as documented in A1QD031
Anti-Phospholipase-A2- Receptor	Enzyme-linked Immunosorbent
Antibodies (PLA2R)	Assay (ELISA) method by using
(= =)	Thermo ELISA washer, Robonik
	ELISA washer and Thermo
	ELISA reader as documented in
	A1QD034
Myositis / Myopathies Antibodies	Immunoblot method by using
, John / Myopaniloo / Minbonies	Eurolinemaster Test System or
	manual procedure as
	documented in A1QD023
Liver Specific Autoantibodies	Immunoblot method by using
Liver opecine Autoantibodies	
	Eurolinemaster Test System or
	manual procedure as
	documented in A1QD023
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	Total IgE	Electrochemiluminescence
		Immunoassay (ECLIA) by using Roche Cobas 6000 as
	0 '6 5	documented in A2QD001
	Specific IgE	Fluorescence Enzyme
	i. Prawn	Immunoassay (FEIA) method by
	ii. Peanut	using Phadia 250 Test System as
	iii. Cashew	documented in A1QD016
	iv. Cow's Milk	
	v. Egg	
	vi. Sesame Seed	
	vii. Soy	
	viii. Wheat Grain	
	ix. Cat Epithelium / Dander	
	x. Bermuda Grass	
	xi. House Dust Mite	
	(Dermatophagoides	
	Pteronyssinus)	
	xii. Aspergillus Fumigatus	
	xiii. Alternaria Alternata / Tenuis	
	xiv. Animal Epithelium Mix	
	xv. Mould Mix	
Serum , Csf , Plasma		Indirect Immunofluorescence
Seruiti, OSI, Plasitia	Anti-Aquaporin 4 (AQP-4)	
		Test (IIFT) method by using
		Nikon Immunofluorescent
		Microscope & Olympus
		Immunofluorescent Microscope
		as documented in A1QD028
	Autoimmune Encephalitis	Indirect Immunofluorescence
		Test (IIFT) method by using
		Nikon Immunofluorescent
		Microscope & Olympus
		Immunofluorescent Microscope
		as documented in A1QD039
	Neuronal Antibodies	Immunoblot method by using
	(Paraneoplastic Antibodies)	Eurolinemaster Test System or
		manual procedure as
		documented in A1QD023
	Anti–N-Methyl-D-Aspartate	Indirect Immunofluorescence
	Receptor (NMDAR)	Test (IIFT) method by using
		Nikon Immunofluorescent
		Microscope & Olympus
		Immunofluorescent Microscope
		as documented in A1QD026
Serum , Cs , Plasma	Anti-Myelin Oligodendrocyte	Indirect Immunofluorescence
, , , , , , , , , , , , , , , , , , , ,	Glycoprotein (MOG)	Test (IIFT) method by using
	,(Nikon Immunofluorescent
		Microscope & Olympus
		Immunofluorescent Microscope
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		as documented in A1QD029

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SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY - SEROLOGY)

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Immunology Serum	Anti-Double Stranded DNA (DsDNA)	Enzyme-linked Immunosorbent Assay (ELISA) method by using Thermo ELISA washer, Robonik ELISA washer and Thermo ELISA reader as documented in A1QD008
	Diabetic Mellitus Type 1: Antilslet Cell Cytoplasmic Autoantibodies (Anti ICA)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Diabetic Mellitus Type 1: AntiGlutamic Acid Decarboxylase Autoantibodies (Anti GAD)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Diabetic Mellitus Type 1: Antilnsulinoma-Associated-2 Autoantibodies (Anti IA-2: Also known as Anti-tyrosine phosphatase)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Autoimmune Liver Autoantibodies	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD030
Immunology Serum , Csf	Anti Ganglioside Antibody	Enzyme Immunodot Assay method by using manual procedure as documented in A1QD023
Serum , Plasma	Anti-Nuclear Antibody (ANA) IFA/IIFT	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD024
	Extractable Nuclear Antigen Panels (ENA)	Immunoblot method by using Eurolinemaster and manual procedure as documented in A1QD023

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Anti-Neutrophil Cytoplasmic	Indirect Immunofluorescence
Antibody (ANCA) IFA/IIFT	Test (IIFT) method by using
Screening	Nikon Immunofluorescent
	Microscope & Olympus
	Immunofluorescent Microscope
	as documented in A1QD025
Myeloperoxidase (MPO)	Fluorescence Enzyme
	Immunoassay (FEIA) method by
	using Phadia 250 Test System as
	documented in A1QD016
Proteinase 3 (PR3)	Fluorescence Enzyme
, ,	Immunoassay (FEIA) method by
	using Phadia 250 Test System as
	documented in A1QD016
Glomerular Basement Membrane	Fluorescence Enzyme
(GBM)	Immunoassay (FEIA) method by
,	using Phadia 250 Test System as
	documented in A1QD016
Anti-Acetylcholine Receptor	Enzyme-linked Immunosorbent
Antibodies (AcHR)	Assay (ELISA) method by using
/ IIII	Thermo ELISA washer, Robonik
	ELISA washer and Thermo
	ELISA reader as documented in
	A1QD032
Anti-Phospholipase-A2- Receptor	Indirect Immunofluorescence
Antibodies (PLA2R)	Test (IIFT) method by using
/ Industries (1 2/12/17)	Nikon Immunofluorescent
	Microscope & Olympus
	Immunofluorescent Microscope
	as documented in A1QD031
Anti-Phospholipase-A2- Receptor	Enzyme-linked Immunosorbent
Antibodies (PLA2R)	Assay (ELISA) method by using
Antibodics (i EAZIV)	Thermo ELISA washer, Robonik
	ELISA washer and Thermo
	ELISA reader as documented in
	A1QD034
Myositis / Myopathies Antibodies	Immunoblot method by using
My ositis / My opatilies Altibodies	Eurolinemaster Test System or
	manual procedure as
	documented in A1QD023
Liver Specific Autoantibodies	Immunoblot method by using
Liver opecine Autoantibodies	Eurolinemaster Test System or
	manual procedure as
	documented in A1QD023
Total IgE	Electrochemiluminescence
Total IgE	
	Immunoassay (ECLIA) by using Roche Cobas 6000 as
	documented in A2QD001
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	Specific IgE i. Prawn ii. Peanut iii. Cashew iv. Cow's Milk v. Egg vi. Sesame Seed vii. Soy viii. Wheat Grain ix. Cat Epithelium / Dander x. Bermuda Grass xi. House Dust Mite (Dermatophagoides Pteronyssinus) xii. Aspergillus Fumigatus xiii. Alternaria Alternata / Tenuis xiv. Animal Epithelium Mix xv. Mould Mix	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
Serum , Csf , Plasma	Anti-Aquaporin 4 (AQP-4)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD028
	Autoimmune Encephalitis	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD039
	Neuronal Antibodies (Paraneoplastic Antibodies)	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023
	Anti–N-Methyl-D-Aspartate Receptor (NMDAR)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD026
Serum , Cs , Plasma	Anti-Myelin Oligodendrocyte Glycoprotein (MOG)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD029

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (IMMUNOLOGY)

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Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
lmmunolo eu		
Immunology Serum	Anti-Double Stranded DNA (DsDNA)	Enzyme-linked Immunosorbent Assay (ELISA) method by using Thermo ELISA washer, Robonik ELISA washer and Thermo ELISA reader as documented in A1QD008
	Diabetic Mellitus Type 1: Antilslet Cell Cytoplasmic Autoantibodies (Anti ICA)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Diabetic Mellitus Type 1: AntiGlutamic Acid Decarboxylase Autoantibodies (Anti GAD)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Diabetic Mellitus Type 1: Antilnsulinoma-Associated-2 Autoantibodies (Anti IA-2: Also known as Anti-tyrosine phosphatase)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Autoimmune Liver Autoantibodies	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD030
Immunology Serum , Csf	Anti Ganglioside Antibody	Enzyme Immunodot Assay method by using manual procedure as documented in A1QD023
Serum , Plasma	Anti-Nuclear Antibody (ANA) IFA/IIFT	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD024
	Extractable Nuclear Antigen Panels (ENA)	Immunoblot method by using Eurolinemaster and manual procedure as documented in A1QD023
	Anti-Neutrophil Cytoplasmic Antibody (ANCA) IFA/IIFT Screening	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD025
	Myeloperoxidase (MPO)	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016

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Proteinase 3 (PR3)	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
Glomerular Basement Membrane (GBM)	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
Anti-Acetylcholine Receptor Antibodies (AcHR)	Enzyme-linked Immunosorbent Assay (ELISA) method by using Thermo ELISA washer, Robonik ELISA washer and Thermo ELISA reader as documented in A1QD032
Anti-Phospholipase-A2- Receptor Antibodies (PLA2R)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD031
Anti-Phospholipase-A2- Receptor Antibodies (PLA2R)	Enzyme-linked Immunosorbent Assay (ELISA) method by using Thermo ELISA washer, Robonik ELISA washer and Thermo ELISA reader as documented in A1QD034
Myositis / Myopathies Antibodies	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023
Liver Specific Autoantibodies	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023
Total IgE	Electrochemiluminescence Immunoassay (ECLIA) by using Roche Cobas 6000 as documented in A2QD001

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	Specific IgE i. Prawn ii. Peanut iii. Cashew iv. Cow's Milk v. Egg vi. Sesame Seed vii. Soy viii. Wheat Grain ix. Cat Epithelium / Dander x. Bermuda Grass xi. House Dust Mite (Dermatophagoides Pteronyssinus) xii. Aspergillus Fumigatus xiii. Alternaria Alternata / Tenuis xiv. Animal Epithelium Mix xv. Mould Mix	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
Serum , Csf , Plasma	Anti-Aquaporin 4 (AQP-4)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD028
	Autoimmune Encephalitis	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD039
	Neuronal Antibodies (Paraneoplastic Antibodies)	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023
	Anti–N-Methyl-D-Aspartate Receptor (NMDAR)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD026
Serum , Cs , Plasma	Anti-Myelin Oligodendrocyte Glycoprotein (MOG)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD029

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (PARASITOLOGY)

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Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
lmmunolo eu		
Immunology Serum	Anti-Double Stranded DNA (DsDNA)	Enzyme-linked Immunosorbent Assay (ELISA) method by using Thermo ELISA washer, Robonik ELISA washer and Thermo ELISA reader as documented in A1QD008
	Diabetic Mellitus Type 1: Antilslet Cell Cytoplasmic Autoantibodies (Anti ICA)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Diabetic Mellitus Type 1: AntiGlutamic Acid Decarboxylase Autoantibodies (Anti GAD)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Diabetic Mellitus Type 1: Antilnsulinoma-Associated-2 Autoantibodies (Anti IA-2: Also known as Anti-tyrosine phosphatase)	Chemiluminescence Immunoassay (CLIA) by using Snibe Maglumi System as documented in A1QD035
	Autoimmune Liver Autoantibodies	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD030
Immunology Serum , Csf	Anti Ganglioside Antibody	Enzyme Immunodot Assay method by using manual procedure as documented in A1QD023
Serum , Plasma	Anti-Nuclear Antibody (ANA) IFA/IIFT	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD024
	Extractable Nuclear Antigen Panels (ENA)	Immunoblot method by using Eurolinemaster and manual procedure as documented in A1QD023
	Anti-Neutrophil Cytoplasmic Antibody (ANCA) IFA/IIFT Screening	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD025
	Myeloperoxidase (MPO)	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016

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Proteinase 3 (PR3)	Fluorescence Enzyme
	Immunoassay (FEIA) method by
	using Phadia 250 Test System as
	documented in A1QD016
Glomerular Basement Membrane	Fluorescence Enzyme
(GBM)	Immunoassay (FEIA) method by
(-)	using Phadia 250 Test System as
	documented in A1QD016
Anti-Acetylcholine Receptor	Enzyme-linked Immunosorbent
Antibodies (AcHR)	Assay (ELISA) method by using
7 minocures (7 ter in t)	Thermo ELISA washer, Robonik
	ELISA washer and Thermo
	ELISA reader as documented in
	A1QD032
Anti-Phospholipase-A2- Receptor	Indirect Immunofluorescence
Antibodies (PLA2R)	Test (IIFT) method by using
Antibodies (FLAZK)	Nikon Immunofluorescent
	Microscope & Olympus
	Immunofluorescent Microscope
Anti Dhaanhalinaaa AQ Daantar	as documented in A1QD031
Anti-Phospholipase-A2- Receptor	Enzyme-linked Immunosorbent
Antibodies (PLA2R)	Assay (ELISA) method by using
	Thermo ELISA washer, Robonik
	ELISA washer and Thermo
	ELISA reader as documented in
NA 101 / NA 111 / N 121 / 12	A1QD034
Myositis / Myopathies Antibodies	Immunoblot method by using
	Eurolinemaster Test System or
	manual procedure as
	documented in A1QD023
Liver Specific Autoantibodies	Immunoblot method by using
	Eurolinemaster Test System or
	manual procedure as
	documented in A1QD023
Total IgE	Electrochemiluminescence
	Immunoassay (ECLIA) by using
	Roche Cobas 6000 as
	documented in A2QD001

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	Specific IgE i. Prawn ii. Peanut iii. Cashew iv. Cow's Milk v. Egg vi. Sesame Seed vii. Soy viii. Wheat Grain ix. Cat Epithelium / Dander x. Bermuda Grass xi. House Dust Mite (Dermatophagoides Pteronyssinus) xii. Aspergillus Fumigatus xiii. Alternaria Alternata / Tenuis xiv. Animal Epithelium Mix xv. Mould Mix	Fluorescence Enzyme Immunoassay (FEIA) method by using Phadia 250 Test System as documented in A1QD016
Serum , Csf , Plasma	Anti-Aquaporin 4 (AQP-4)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD028
	Autoimmune Encephalitis	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD039
	Neuronal Antibodies (Paraneoplastic Antibodies)	Immunoblot method by using Eurolinemaster Test System or manual procedure as documented in A1QD023
	Anti–N-Methyl-D-Aspartate Receptor (NMDAR)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD026
Serum , Cs , Plasma	Anti-Myelin Oligodendrocyte Glycoprotein (MOG)	Indirect Immunofluorescence Test (IIFT) method by using Nikon Immunofluorescent Microscope & Olympus Immunofluorescent Microscope as documented in A1QD029

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY)

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Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Parasitology	Blood Film Malaria Parasite	Blood Films for Microscopy
Blood Smear , Whole Blood	(BFMP)	Parasite
		(BFMP) method by using manual
		slide
		smear procedure as documented
		in the
		following:
		i) A3QD006 - Processing of
		Malaria
		Parasite Slide
		ii) A3QT014 - Blood Film Malarial
		Parasite Smear Technique
		iii) A3QT015 - Giemsa's Azur
		Eosin
		Methylene Blue Solution
		Procedure
		iv) A3QT016 - Malaria Parasite
		Density Count
		v) A3QT017 - Positive Control
		Slides
		of Malaria
		vi) A3QT018 - Microscopy
		Examination of Thick and Thin
		Blood Films for Identification of
		Malaria Parasites

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (MYCOBACTERIOLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used

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Parasitology	Blood Film Malaria Parasite	Blood Films for Microscopy
Blood Smear , Whole Blood	(BFMP)	Parasite
		(BFMP) method by using manual
		slide
		smear procedure as documented
		in the
		following:
		i) A3QD006 - Processing of
		Malaria
		Parasite Slide
		ii) A3QT014 - Blood Film Malarial
		Parasite Smear Technique
		iii) A3QT015 - Giemsa's Azur
		Eosin
		Methylene Blue Solution
		Procedure
		iv) A3QT016 - Malaria Parasite
		Density Count
		v) A3QT017 - Positive Control
		Slides
		of Malaria
		vi) A3QT018 - Microscopy
		Examination of Thick and Thin
		Blood Films for Identification of
		Malaria Parasites

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (BACTERIOLOGY - SEROLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used

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Parasitology	Blood Film Malaria Parasite	Blood Films for Microscopy
Blood Smear , Whole Blood	(BFMP)	Parasite
		(BFMP) method by using manual
		slide
		smear procedure as documented
		in the
		following:
		i) A3QD006 - Processing of
		Malaria
		Parasite Slide
		ii) A3QT014 - Blood Film Malarial
		Parasite Smear Technique
		iii) A3QT015 - Giemsa's Azur
		Eosin
		Methylene Blue Solution
		Procedure
		iv) A3QT016 - Malaria Parasite
		Density Count
		v) A3QT017 - Positive Control
		Slides
		of Malaria
		vi) A3QT018 - Microscopy
		Examination of Thick and Thin
		Blood Films for Identification of
		Malaria Parasites

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used

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Parasitology	Blood Film Malaria Parasite	Blood Films for Microscopy
Blood Smear , Whole Blood	(BFMP)	Parasite
		(BFMP) method by using manual
		slide
		smear procedure as documented
		in the
		following:
		i) A3QD006 - Processing of
		Malaria
		Parasite Slide
		ii) A3QT014 - Blood Film Malarial
		Parasite Smear Technique
		iii) A3QT015 - Giemsa's Azur
		Eosin
		Methylene Blue Solution
		Procedure
		iv) A3QT016 - Malaria Parasite
		Density Count
		v) A3QT017 - Positive Control
		Slides
		of Malaria
		vi) A3QT018 - Microscopy
		Examination of Thick and Thin
		Blood Films for Identification of
		Malaria Parasites

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (VIROLOGY - SEROLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used

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Parasitology	Blood Film Malaria Parasite	Blood Films for Microscopy
Blood Smear , Whole Blood	(BFMP)	Parasite
		(BFMP) method by using manual
		slide
		smear procedure as documented
		in the
		following:
		i) A3QD006 - Processing of
		Malaria
		Parasite Slide
		ii) A3QT014 - Blood Film Malarial
		Parasite Smear Technique
		iii) A3QT015 - Giemsa's Azur
		Eosin
		Methylene Blue Solution
		Procedure
		iv) A3QT016 - Malaria Parasite
		Density Count
		v) A3QT017 - Positive Control
		Slides
		of Malaria
		vi) A3QT018 - Microscopy
		Examination of Thick and Thin
		Blood Films for Identification of
		Malaria Parasites

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (IMMUNOLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used

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Parasitology	Blood Film Malaria Parasite	Blood Films for Microscopy
Blood Smear , Whole Blood	(BFMP)	Parasite
		(BFMP) method by using manual
		slide
		smear procedure as documented
		in the
		following:
		i) A3QD006 - Processing of
		Malaria
		Parasite Slide
		ii) A3QT014 - Blood Film Malarial
		Parasite Smear Technique
		iii) A3QT015 - Giemsa's Azur
		Eosin
		Methylene Blue Solution
		Procedure
		iv) A3QT016 - Malaria Parasite
		Density Count
		v) A3QT017 - Positive Control
		Slides
		of Malaria
		vi) A3QT018 - Microscopy
		Examination of Thick and Thin
		Blood Films for Identification of
		Malaria Parasites

SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY (PARASITOLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used

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Parasitology	Blood Film Malaria Parasite	Blood Films for Microscopy
Blood Smear, Whole Blood	(BFMP)	Parasite
		(BFMP) method by using manual
		slide
		smear procedure as documented
		in the
		following:
		i) A3QD006 - Processing of
		Malaria
		Parasite Slide
		ii) A3QT014 - Blood Film Malarial
		Parasite Smear Technique
		iii) A3QT015 - Giemsa's Azur
		Eosin
		Methylene Blue Solution
		Procedure
		iv) A3QT016 - Malaria Parasite
		Density Count
		v) A3QT017 - Positive Control
		Slides
		of Malaria
		vi) A3QT018 - Microscopy
		Examination of Thick and Thin
		Blood Films for Identification of
		Malaria Parasites

SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
General Chemistry	Urine Full Examination,	Automated Photometry by using
Urine	Microscopic Examination	Cobas U 411 Urine Analyzer and
	(UFEME)	Direct Microscopic Examination
		as documented in A10QD003
	Urine Pregnancy Test (UPT)	Test Strip method by using Rapid
		Immunochromatography as
		documented in A10QD002
General Chemistry	Triglyceride	GPO Enzymatic Colorimetric
Serum		Assay by using Roche Cobas
		6000 as documented in
		A2QD020
	HDL Cholesterol	Homogeneous Enzymatic
		Colorimetric test by using Roche
		Cobas 6000 as documented in
		A2QD011
	LDL cholesterol	Calculation as documented in
		A2QD013

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	Cholesterol / HDL Cholesterol	Calculation as documented in
	Ratio	A2QD013
	Total Protein	Biuret Reaction by using Roche
		Cobas 6000 as documented in
		A2QD019
	Albumin	Bromcresol Green (BCG)
		Colorimetric Assay by using
		Roche Cobas 6000 as
		documented in A2QD002
	Globulin	Calculation as documented in
		A2QD013
	Albumin / Globulin Ratio	Calculation as documented in A2QD013
	Bilirubin	Colorimetric Diazo method Assay
		by using Roche Cobas 6000 as
		documented in A2QD018
	Alanine Transaminase	Optimized IFCC method by using
	(SGPT/ALT)	Roche Cobas 6000 as
	(,	documented in A2QD016
	Aspartate Transaminase	Optimized IFCC method by using
	(SGOT/AST)	Roche Cobas 6000 as
	,	documented in A2QD015
	Alkaline phosphatase (ALP)	Colorimetric Assay according to
		IFCC by using Roche Cobas
		6000 as documented in
		A2QD003
	Gamma GT	Enzymatic Colorimetric Assay by
		using Roche Cobas 6000 as
		documented in A2QD008
Plasma	Glucose	Hexokinase Enzymatic Method
		by using Roche Cobas 6000 as
		documented in A2QD009
Serum	TSH	Electrochemiluminescence
		Immunoassay (ECLIA) by using
		Roche Cobas 6000 as
		documented in A2QD021
	Uric acid	Uricase Enzymatic Colorimetric
		Assay by using Roche Cobas
		6000 as documented in
		A2QD023
	Creatinine	Enzymatic Method by using
		Roche Cobas 6000 as
		documented in A2QD007
	Urea	Urease with Glutamate
		Dehydrogenase (GLDH) Assay
		by using Roche Cobas 6000 as
		documented in A2QD022
	Sodium	Ion Selective Electrode (ISE) by
		using Roche Cobas 6000 as
		documented in A2QD005
I		

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	Potassium	Ion Selective Electrode (ISE) by
		using Roche Cobas 6000 as
		documented in A2QD005
	Chloride	Ion Selective Electrode (ISE) by
		using Roche Cobas 6000 as
		documented in A2QD005
	Calcium	BAPTA Assay by using Roche
		Cobas 6000 as documented in
		A2QD004
	Phosphate	Molybdate UV Assay by using
		Roche Cobas 6000 as
		documented in A2QD012
	Cholesterol	Enzymatic Colorimetric Assay by
		using Roche Cobas 6000 as
		documented in A2QD006
Whole Blood	HbA1c	Turbidimetric Inhibition
		Immunoassay (TINIA) by using
		Roche Cobas 6000 as
		documented in A2QD010

SCOPE OF MEDICAL TESTING: HAEMATOLOGY

Specimen Tested	Type of Test/	Test Methods, Specifications/
	Properties Measured/	Equipment/Techniques Used
Routine Haematology Whole Blood	Full Blood Count (FBC)	RF/DC detection by using flow cytometry method and SLShaemoglobin method by using Sysmex XN-1000 as
		documented in A3QD001
	Erythrocyte Sedimentation Rate (ESR)	Westergren method by using MicroSed System as documented in A3QD004
Blood Smear/whole Blood	Peripheral Blood Film (PBF)	Microscopy method by using manual slide smear procedure and Olympus Light Microscopes or Leica Light Microscopes as documented in A3QT002, A3QT008 and A3QD005
Specialised Haematology Whole Blood	Haemoglobin Electrophoresis (Hbel)	Capillary electrophoresis method by using Sebia Capillary 2 Flex Piercing Test System as documented in A3QD002, A3QT003 and A3QT006

NOTE:

Laboratory Clinical Personnel:

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No.	Name	Discipline	
1	Abdul Rahim Yahaya	Technical Manager	
2	Shameem Ferzana Mohd Yusof	Quality Manager	
3	Nurul Najwa Abdul Mokti	Technical Manager	
4	Norsyuhaini Sharin	Technical Manager	
5	Nur Amalina Mohd Zaman	Technical Manager	
6	Sarah Ailis Ahmad Rashdi	Technical Manager	
7	Rabiatul Adawiyah Zulkipli	Document Controller	
8	Nabila Ibrahim	Technical Manager	
9	Prema Komarasamy		
10	Sreeambal Ramankutty	Technical Manager	
11	Faiqah Hazrati Mohd Zanal		
12	Dr Muhammad Nazri Aziz	Laboratory Director	
13	Badrul Hisham Abdullah	Deputy Laboratory Directory	