

# Accreditation Scope

**Madinat Zayed Hospital, NAM 009  
Medical Laboratory, (ISO 15189:2012)**

**Madinat Zayed, Dhafra Region – Abu Dhabi, UAE**

**Issue Date: 01-02-2021**

**Expiry Date: 31-01-2024**

**Issue No: 001**

Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Albumin	Colorimetric	ADH-MZH-LAB-SOP-01-066-ALB2 on Cobas C Standard Operating Procedure
Clinical Chemistry	Random urine sample or Aliquot from 24hr collection	Albumin Urine	Immunoturbidimetric	ADH-MZH-LAB-SOP-01-060-Albumin ALBT2 Standard Operating Procedure
Clinical Chemistry	Fluid in sterile container	Albumin, body fluid	Immunoturbidimetric	ADH-MZH-LAB-SOP-01-060-Albumin ALBT2 Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Alkaline phosphatase	Colorimetric assay	ADH-MZH-LAB-SOP-01-068-ALP2 Alkaline Phosphatase Gen.2 on Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	ALT	Enzymatic	ADH-MZH-LAB-SOP-01-069-ALT Alanine Aminotransferase on Cobas C Standard Operating Procedure
Clinical Chemistry	3 mL EDTA Whole Blood	Ammonia	Enzymatic	ADH-MZH-LAB-SOP-01-070-Ammonia on Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Amylase	Enzymatic	ADH-MZH-LAB-SOP-01-071- $\alpha$ -Amylase Ver.2 on Cobas C Standard Operating Procedure
Clinical Chemistry	Aliquot of 24 hour urine sample	Amylase, 24 hr. urine and Random	Enzymatic	ADH-MZH-LAB-SOP-01-071- $\alpha$ -Amylase Ver.2 on Cobas C Standard Operating Procedure
Clinical Chemistry	Fluid in sterile container	Amylase, body fluid	Enzymatic	ADH-MZH-LAB-SOP-01-071- $\alpha$ -Amylase Ver.2 on Cobas C Standard Operating Procedure

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Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	AST	Enzymatic	ADH-MZH-LAB-SOP-01-072-AST on Cobas C Standard Operating Procedure
Clinical Chemistry	3 mL Li Heparin	Beta- HCG, quantitative	Immunoassay	ADH-MZH-LAB-SOP-01-040-β-HCG Test by COBAS C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Bilirubin, Direct.	Colorimetric	ADH-MZH-LAB-SOP-01-046-D. Bilirubin Test by Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Bilirubin, Total	Colorimetric	ADH-MZH-LAB-SOP-01-073- Total Bilirubin on Cobas C Standard Operating Procedure
Clinical Chemistry	3 mL Li Heparin	ProBNP	Immunoassay	ADH-MZH-LAB-SOP-01-042-Pro-BNP Test Using COBAS e601 Standard Operating Procedure
Clinical Chemistry	3 mL Li Heparin	PCT	Immunoassay	ADH-MZH-LAB-SOP-01-063-Procalcitonin Test on Cobas E Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Calcium	Colorimetric	ADH-MZH-LAB-SOP-01-043-Calcium Test Using Cobas C501 Standard Operating Procedure
Clinical Chemistry	random urine	Calcium, random urine	Indirect potentiometry	ADH-MZH-LAB-SOP-01-043-Calcium Test Using Cobas C501 Standard Operating Procedure
Clinical Chemistry	Aliquot of 24 hour urine sample	Calcium, 24 hour urine	Indirect potentiometry	ADH-MZH-LAB-SOP-01-043-Calcium Test Using Cobas C501 Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Chloride	Indirect potentiometry	ADH-MZH-LAB-SOP-01-080-ISE indirect Na-K-Cl Test Using Cobas C Standard Operating Procedure

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Clinical Chemistry	Aliquot from 24hr collection	Chloride, 24 Hour urine	Indirect potentiometry	ADH-MZH-LAB-SOP-01-080-ISE indirect Na-K-Cl Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	Fluid in sterile container	Chloride, body fluid	Indirect potentiometry	ADH-MZH-LAB-SOP-01-080-ISE indirect Na-K-Cl Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	CSF	Chloride, CSF	Indirect potentiometry	ADH-MZH-LAB-SOP-01-080-ISE indirect Na-K-Cl Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Cholesterol	Enzymatic	ADH-MZH-LAB-SOP-01-044-Cholesterol Test by Cobas C Standard Operating Procedure
Clinical Chemistry	Fluid in sterile container	Cholesterol, body fluid	Enzymatic	ADH-MZH-LAB-SOP-01-044-Cholesterol Test by Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	CK	Enzymatic	ADH-MZH-LAB-SOP-01-075-CK-MB on Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	CK-MB	Enzymatic	ADH-MZH-LAB-SOP-01-075-CK-MB on Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	CO2	Enzymatic	ADH-MZH-LAB-SOP-01-045-CO2 Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	C-Reactive Protein	Turbidimetric	ADH-MZH-LAB-SOP-01-077-C-Reactive Protein on Cobas C Standard Operating Procedure

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Creatinine	Jaffe Rate	ADH-MZH-LAB-SOP-01-076-Creatinine on Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	eGFR	Calculated	ADH-MZH-LAB-SOP-01-227 V. 1.0
Clinical Chemistry	Aliquot of 24-hour urine sample & Random Urine	Creatinine Clearance	Jaffe Rate	ADH-MZH-LAB-SOP-01-081-24 Hour Urines -Standard Operating Procedure
Clinical Chemistry	Aliquot of 24 hour urine sample and Random Urine	Creatinine, 24 urine	Jaffe Rate	ADH-MZH-LAB-SOP-01-081-24 Hour Urine -Standard Operating Procedure
Clinical Chemistry	4 mL Serum	LDL Cholesterol	Calculated	ADH-MZH-LAB-SOP-01-227 V. 1.0
Clinical Chemistry	4 mL Serum	Corrected Calcium for Albumin	Calculated	ADH-MZH-LAB-SOP-01-227 V. 1.0
Clinical Chemistry	4 mL Serum	Transferrin saturation %	Calculated	ADH-MZH-LAB-SOP-01-227 V. 1.0
Clinical Chemistry	Random urine	Albumin/Creatinine Ratio	Calculated	ADH-MZH-LAB-SOP-01-082 Version 1.0
Clinical Chemistry	Random urine	Protein/Creatinine Ratio	Calculated	ADH-MZH-LAB-SOP-01-083 Version 1.0
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Ferritin	Turbidimetric	ADH-MZH-LAB-SOP-01-084-Ferritin in human serum and plasma on Roche Cobas c systems
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Gentamycin	kinetic interaction of microparticles in a solution (KIMS)	ADH-MZH-LAB-SOP-01-078-Gentamicin on Cobas C Standard Operating Procedure

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Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	GGT	Enzymatic	ADH-MZH-LAB-SOP-01-048-GGT Test by Cobas C Standard Operating Procedure
Clinical Chemistry	3 mL Plasma sodium fluoride	Glucose tolerance test fasting (75g)	Enzymatic	ADH-MZH-LAB-PP-01-135-75g GDM GTT Procedure Policy
Clinical Chemistry	3 mL Plasma sodium fluoride	Glucose tolerance test 1 hour	Enzymatic	ADH-MZH-LAB-PP-01-135-75g GDM GTT Procedure Policy
Clinical Chemistry	3 mL Plasma sodium fluoride	Glucose, 2 Hour Postprandial	Enzymatic	ADH-MZH-LAB-PP-01-135-75g GDM GTT Procedure Policy
Clinical Chemistry	Fluid in sterile container	Glucose, body fluid	Enzymatic	ADH-MZH-LAB-SOP-01-049-Glucose Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	CSF in sterile container	Glucose, CSF	Enzymatic	ADH-MZH-LAB-SOP-01-049-Glucose Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Glucose, fasting	Enzymatic	ADH-MZH-LAB-SOP-01-049-Glucose Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Glucose, random	Enzymatic	ADH-MZH-LAB-SOP-01-049-Glucose Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	Random Urine	Glucose, random urine	Turbidimetric	ADH-MZH-LAB-SOP-01-049-Glucose Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	HDL cholesterol	Enzymatic	ADH-MZH-LAB-SOP-01-051-HDL Test by Cobas C Standard Operating Procedure
Clinical Chemistry	3 mL EDTA Whole Blood	Hemoglobin A1C	TTAB	ADH-MZH-LAB-SOP-01-050-HbA1c Test by Cobas C Standard Operating Procedure

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Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Hepatic Function Panel	Enzymatic, colorimetric	ADH-MZH-LAB-SOP-01-048 ADH-MZH-LAB-SOP-01-073 ADH-MZH-LAB-SOP-01-046 ADH-MZH-LAB-SOP-01-066 ADH-MZH-LAB-SOP-01-072 ADH-MZH-LAB-SOP-01-068 ADH-MZH-LAB-SOP-01-069
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Iron	colorimetric	ADH-MZH-LAB-SOP-01-079-Iron on Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Iron profile	Colorimetric, Immunoturbidimetric and calculation	ADH-MZH-LAB-SOP-01-079 ADH-MZH-LAB-SOP-01-055 ADH-MZH-LAB-SOP-01-227
Clinical Chemistry	Fluoride oxalate plasma	Lactate	colorimetric	ADH-MZH-LAB-SOP-01-061-Lactate Test on Cobas C Standard Operating Procedure
Clinical Chemistry	Fluid in sterile container	Lactate, body fluid	Enzymatic	ADH-MZH-LAB-SOP-01-061-Lactate Test on Cobas C Standard Operating Procedure
Clinical Chemistry	CSF in sterile container	Lactate, CSF	colorimetric	ADH-MZH-LAB-SOP-01-061-Lactate Test on Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	LDH	Enzymatic	ADH-MZH-LAB-SOP-01-047-LDH Test by Cobas C Standard Operating Procedure
Clinical Chemistry	Fluid in sterile container	LDH, body fluid	Enzymatic	ADH-MZH-LAB-SOP-01-047-LDH Test by Cobas C Standard Operating Procedure
Clinical Chemistry	CSF in sterile container	LDH, CSF	Enzymatic	ADH-MZH-LAB-SOP-01-047-LDH Test by Cobas C Standard Operating Procedure

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Clinical Chemistry	4 mL Serum	LDL Cholesterol	Enzymatic	ADH-MZH-LAB-SOP-01-052-LDL Test by Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Lipase	Enzymatic	ADH-MZH-LAB-SOP-01-062-Lipase Test on Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Lipid Panel	Enzymatic and calculation	ADH-MZH-LAB-SOP-01-044 ADH-MZH-LAB-SOP-01-051 ADH-MZH-LAB-SOP-01-056 ADH-MZH-LAB-SOP-01-227
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Magnesium	Colorimetric	ADH-MZH-LAB-SOP-01-053-Magnesium Test by Cobas C Standard Operating Procedure
Clinical Chemistry	Aliquot of 24 hour urine sample	Magnesium, 24 Hour urine	Colorimetric	ADH-MZH-LAB-SOP-01-053-Magnesium Test by Cobas C Standard Operating Procedure
Clinical Chemistry	Random Urine	Magnesium	Colorimetric	ADH-MZH-LAB-SOP-01-053-Magnesium Test by Cobas C Standard Operating Procedure
Clinical Chemistry	Aliquot of 24 hour urine sample	Microalbumin, 24 Hour urine	Turbidimetric	ADH-MZH-LAB-SOP-01-082-Urine Microalbumin Creatinine Ratio-Standard Operating Procedure
Clinical Chemistry	Random Urine	Microalbumin, urine	Turbidimetric	ADH-MZH-LAB-SOP-01-082-Urine Microalbumin Creatinine Ratio-Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 4 mL Li Heparin Serum	Osmolality, serum	Calculation	ADH-MZH-LAB-SOP-01-227 V. 1.0

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Clinical Chemistry	Random Urine	Osmolality, urine	Calculation	ADH-MZH-LAB-SOP-01-227 V. 1.0
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Phosphorous	Colorimetric	ADH-MZH-LAB-SOP-01-054-Phosphorus by Cobas C Standard Operating Procedure
Clinical Chemistry	Aliquot of 24 hour urine sample	Phosphorous, 24 Hour urine	Colorimetric	ADH-MZH-LAB-SOP-01-054-Phosphorus by Cobas C Standard Operating Procedure
Clinical Chemistry	Random Urine	Phosphorous, random urine	Colorimetric	ADH-MZH-LAB-SOP-01-054-Phosphorus by Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Potassium	ISE	ADH-MZH-LAB-SOP-01-080-ISE indirect Na-K-Cl Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	Aliquot of 24 hour urine sample	Potassium, 24 Hour urine	ISE	ADH-MZH-LAB-SOP-01-080-ISE indirect Na-K-Cl Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	Fluid in sterile container	Potassium, body fluid	ISE	ADH-MZH-LAB-SOP-01-080-ISE indirect Na-K-Cl Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	Random Urine	Potassium, random urine	ISE	ADH-MZH-LAB-SOP-01-080-ISE indirect Na-K-Cl Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Sodium	ISE	ADH-MZH-LAB-SOP-01-080-ISE indirect Na-K-Cl Test Using Cobas C Standard Operating Procedure



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Clinical Chemistry	Aliquot of 24 hour urine sample	Sodium, 24 Hour urine	ISE	ADH-MZH-LAB-SOP-01-080-ISE indirect Na-K-Cl Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	Fluid in sterile container	Sodium, body fluid	ISE	ADH-MZH-LAB-SOP-01-080-ISE indirect Na-K-Cl Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	Random Urine	Sodium,	ISE	ADH-MZH-LAB-SOP-01-080-ISE indirect Na-K-Cl Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Total Iron Binding Capacity	Calculation	ADH-MZH-LAB-SOP-01-079-Iron on Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Total Protein	Colorimetric	ADH-MZH-LAB-SOP-01-059-Total Protein Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	Aliquot of 24 hour urine sample	Total Protein, 24 Hour urine	Turbidimetric	ADH-MZH-LAB-SOP-01-059-Total Protein Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	Fluid in sterile container	Total Protein, body fluid	Turbidimetric	ADH-MZH-LAB-SOP-01-059-Total Protein Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	CSF in sterile container	Total Protein, CSF	Turbidimetric	ADH-MZH-LAB-SOP-01-059-Total Protein Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Transferrin	Immunoturbidimetric	ADH-MZH-LAB-SOP-01-055-Transferrin Test Using Cobas C Standard Operating Procedure

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Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Triglycerides	Enzymatic-Colorimetric	ADH-MZH-LAB-SOP-01-056-Triglyceride by Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Troponin T	Immunoassay	ADH-MZH-LAB-SOP-01-041-Troponin(T) Test Using COBAS C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Urea	Kinetic	ADH-MZH-LAB-SOP-01-057-Urea Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	Aliquot of 24 hour urine sample	Urea, 24 Hour urine	Kinetic	ADH-MZH-LAB-SOP-01-057-Urea Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	U+E ( Urea, Na, K, Cl, Creatinine and CO2)	Kinetic, ISE, Jaffe Rate and enzymatic	ADH-MZH-LAB-SOP-01-057 ADH-MZH-LAB-SOP-01-045 ADH-MZH-LAB-SOP-01-076
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Uric acid	Enzymatic colorimetric	ADH-MZH-LAB-SOP-01-058-Uric Acid Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	Aliquot of 24 hour urine sample	Uric acid, 24 Hour urine	Enzymatic colorimetric	ADH-MZH-LAB-SOP-01-058-Uric Acid Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	Random Urine	Uric acid, random urine	Enzymatic colorimetric	ADH-MZH-LAB-SOP-01-058-Uric Acid Test Using Cobas C Standard Operating Procedure
Clinical Chemistry	4 mL Serum or 3 mL Li Heparin Plasma	Vancomycin	kinetic interaction of microparticles in a solution (KIMS)	ADH-MZH-LAB-SOP-01-064 Vancomycin Test on Cobas C Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	AMA	Immunoassay, ELIZA	ADH-MZH-LAB-SOP-01-146-AMA-Ab (Antimitochondrial Antibodies) in Alegria Analyser-Standard Operating Procedure

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Special chemistry	4 mL Serum (GOLD)	ANA titer	Immunoassay, ELIZA	ADH-MZH-LAB-SOP-01-147- Antinuclear Antibodies (ANA) in Alegria Analyser - Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	DHEAS	Immunoassay	ADH-MZH-LAB-SOP-01-156- DHEAS Dehydroepiandrosterone sulfate on Cobas e immunoassay analyzers-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Anti-cardiolipin, IgG	Immunoassay, ELIZA	ADH-MZH-LAB-SOP-01-152- Cardiolipin IgG antibodies in Alegria Analyser-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Anti-cardiolipin, IgM	Immunoassay, ELIZA	ADH-MZH-LAB-SOP-01-153- Cardiolipin IgM antibodies in Alegria Analyser-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Anti-ds DNA antibodies	Immunoassay, ELIZA	ADH-MZH-LAB-SOP-01-157- Double- Stranded DNA antibodies Screen(Ds DNA) On Alegria Analyser-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Estradiol	Immunoassay	ADH-MZH-LAB-SOP-01-158- Estradiol on cobas e immunoassay analyzers- Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Anti-gliadin, IgA	Immunoassay , ELIZA	ADH-MZH-LAB-SOP-01-164-Anti-Gliadin IgA on Alegria Analyser- Standard Operating Procedure

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Special chemistry	4 mL Serum (GOLD)	Anti-gliadin, IgG	Immunoassay , ELIZA	ADH-MZH-LAB-SOP-01-165-Anti-Gliadin IgG antibodies in Alegria Analyser-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Folate	Immunoassay	ADH-MZH-LAB-SOP-01-159-Folate on cobas e immunoassay analyzers-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Free T3	Immunoassay	ADH-MZH-LAB-SOP-01-162-FT3 - free triiodothyronine on Cobas e immunoassay analyzers-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	FSH	Immunoassay	ADH-MZH-LAB-SOP-01-161-FSH Follicle-stimulating hormone on cobas e immunoassay analyzers-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	HAV IgM antibodies	Immunoassay	ADH-MZH-LAB-SOP-01-167-Anti HAV-IgM IgM antibodies to the hepatitis A virus on Cobas e immunoassay analyzers-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	HAV total antibodies	Immunoassay	ADH-MZH-LAB-SOP-01-166-Anti-HAV Total antibodies (IgM and IgG) to the hepatitis A virus on Cobas e immunoassay analyzers- Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	HBs antibodies	Immunoassay	ADH-MZH-LAB-SOP-01-145-Antibody to hepatitis B surface antigen (anti-HBs) on Cobas e

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				immunoassay analyzers - Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	HBs Antigen-Confirmatory	Immunoassay	ADH-MZH-LAB-SOP-01-154- Hepatitis B surface Antigen (HBsAg)Confirmatory Test on cobas e immunoassay analyzers- Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	HBs antigen	Immunoassay	ADH-MZH-LAB-SOP-01-169- Hepatitis B surface antigen- HBsAg on cobas e immunoassay analyzers- Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	HCV antibodies	Immunoassay	ADH-MZH-LAB-SOP-01-170- Antibody to hepatitis C virus (anti-HCV)- Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	HIV Combi	Immunoassay	ADH-MZH-LAB-SOP-01-172-HIV combi PT HIV-1 antigen and total antibodies to HIV-1 and HIV-2--Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Intact PTH	Immunoassay	ADH-MZH-LAB-SOP-01-178- Parathyroid hormone - PTH, Intact-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Luteinizing Hormone	Immunoassay	ADH-MZH-LAB-SOP-01-173-LH (Luteinizing hormone)-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Measles, IgG	Immunoassay, ELIZA	ADH-MZH-LAB-SOP-01-174-Anti-Measles Virus ELISA (IgG)

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				Novalisa-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Progesterone	Immunoassay	ADH-MZH-LAB-SOP-01-177- Progesterone-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	PSA Free	Immunoassay	ADH-MZH-LAB-SOP-01-160-Free PSA - Prostate-specific antigen (fPSA) on cobas e immunoassay analyzers -Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	PSA, Total	Immunoassay	ADH-MZH-LAB-SOP-01-184- Total PSA - Prostate-specific antigen (tPSA)-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Rubella antibodies, IgG	Immunoassay	ADH-MZH-LAB-SOP-01-179- (Rubella IgG) IgG antibodies to Rubella Virus-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Syphilis	Immunoassay	ADH-MZH-LAB-SOP-01-180- Syphilis Antibodies-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	T4, Free	Immunoassay	ADH-MZH-LAB-SOP-01-163-Free thyroxine FT4 on cobas e immunoassay analyzers- Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Testosterone, Total	Immunoassay	ADH-MZH-LAB-SOP-01-181- Testosterone -Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Thyroid peroxidase antibodies	Immunoassay	ADH-MZH-LAB-SOP-01-150-Anti-TPO (Antibodies to thyroid peroxidase) on cobas e

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
				immunoassay analyzers- Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Thyroid Panel	Immunoassay	ADH-MZH-LAB-SOP-01-162 ADH-MZH-LAB-SOP-01-163 ADH-MZH-LAB-SOP-01-185
Special chemistry	4 mL Serum (GOLD)	TSH	Immunoassay	ADH-MZH-LAB-SOP-01-185- Thyrotropin (TSH)-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Vitamin B12	Immunoassay	ADH-MZH-LAB-SOP-01-151- Vitamin B12 on cobas e immunoassay analyzers Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Vitamin D, 25-OH	Immunoassay	ADH-MZH-LAB-SOP-01-186-VD- Total (25 hydroxyvitamin D)- Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	VZV IgG antibodies	Immunoassay, ELIZA	ADH-MZH-LAB-SOP-01-187-Anti- Varicella Zoster Virus ELISA (IgG) Novalisa-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Mumps IgG	Immunoassay, ELIZA	ADH-MZH-LAB-SOP-01-175-Anti- Mumps Virus ELISA (IgG) Novalisa-Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	ANCA screen	Immunoassay, ELIZA	ADH-MZH-LAB-SOP-01-148- Antineutrophil cytoplasmic Antibodies (ANCA) in Alegria Analyser - Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Prolactin	Immunoassay	ADH-MZH-LAB-SOP-01-176- Prolactin -Standard Operating Procedure

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
Special chemistry	4 mL Serum (GOLD)	thyroglobulin antibody	Immunoassay	ADH-MZH-LAB-SOP-01-149- Antibody to thyroglobulin (anti-Tg) on cobas e immunoassay analyzers - Standard Operating Procedure
Special chemistry	4 mL Serum (GOLD)	Estradiol	Immunoassay	ADH-MZH-LAB-SOP-01-158- Estradiol on cobas e immunoassay analyzers- Standard Operating Procedure
Haematology	EDTA BLOOD	CBC	Fluorescent Flow Cytometry/Impedance method	ADH-MZH-LAB-SOP-01-226- Complete Blood Count (CBC) SOP by using Sysmex XNL550
Haematology	EDTA BLOOD	Reticulocyte count	Fluorescent Flow Cytometry	ADH-MZH-LAB-SOP-01-226- Complete Blood Count (CBC) SOP by using Sysmex XNL550
Haematology	Body Fluids: CSF , Synovial ,Serous	Body Fluids count	Flow cytometry using a semiconductor laser	ADH-MZH-LAB-SOP-01-195- SYSMEX XN-L 550 Run Procedures
Haematology	EDTA BLOOD	Manual Blood Film	Wright Giemsa Stained Slide and microscopic review	ADH-MZH-LAB-SOP-01-019- Criteria for Reviewing CBC Report and Blood Film Standard Operating Procedure
Haematology	EDTA BLOOD	Hemoglobin Analysis	High Performance Liquid Chromatography (HPLC)	ADH-MZH-LAB-SOP-01-203- Hemoglobin Analysis by HPLC Procedure
Haematology	EDTA BLOOD	HB A	High Performance Liquid Chromatography (HPLC)	ADH-MZH-LAB-SOP-01-203- Hemoglobin Analysis by HPLC Procedure



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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
Haematology	EDTA BLOOD	HB A2	High Performance Liquid Chromatography (HPLC)	ADH-MZH-LAB-SOP-01-203-Hemoglobin Analysis by HPLC Procedure
Haematology	EDTA BLOOD	HB F	High Performance Liquid Chromatography (HPLC)	ADH-MZH-LAB-SOP-01-203-Hemoglobin Analysis by HPLC Procedure
Haematology	EDTA BLOOD	Erythrocyte Sedimentation Rate-ESR	Photometrical capillary stopped flow kinetic analysis	ADH-MZH-LAB-PP-01-081-ROLLER 20-PN policy
Haematology	serum	RF latex	Agglutination method	ADH-MZH-LAB-SOP-01-021-RF Test by Using Lorne KIT Standard Operating Procedure
Haematology	serum	ASO latex	Agglutination method	ADH-MZH-LAB-SOP-01-020-AntistreptolysinO Test by Using Lorne Rapid Latex Kit Standard Operating Procedure
Haematology	EDTA BLOOD	Malaria parasite	Malaria Species Antigen test cassettes	ADH-MZH-LAB-SOP-01-00 Malaria Parasites Examination by Malaria 4 species Rapid Test
Haematology	EDTA BLOOD	Blood parasites	Blood Parasites Manual microscopy	ADH-MZH-LAB-SOP-01-016-Malaria Parasites Examination Standard Operating Procedure
Haematology	EDTA BLOOD	G6PD Qualitative	Fluorescence	ADH-MZH-LAB-SOP-01-017-Qulitative G6PD-Test Using Randox Kit Standard Operating Procedure
Haematology	EDTA BLOOD	Sickle cell HB test	qualitative solubility method	ADH-MZH-LAB-SOP-01-000 Sickle cell solubility testing using SICLEDX

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
Haematology	Citrated Plasma	Prothrombin Time, INR	Clotting time detection	ADH-MZH-LAB-SOP-01-198-SYSMEX CS-2500 Run Procedures
Haematology	Citrated Plasma	APTT	Clotting time detection	ADH-MZH-LAB-SOP-01-198-SYSMEX CS-2500 Run Procedures
Haematology	Citrated Plasma	D-Dimer	Clotting time detection	ADH-MZH-LAB-SOP-01-198-SYSMEX CS-2500 Run Procedures
Haematology	EDTA BLOOD	Total WBC Count	Flow Cytometry	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	Automated 5-part WBC differential Count	volumetric impedance, high frequency electromagnetic energy, optical and cyto-chemical staining	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	Neutrophil Absolute count #	Calculation	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	Neutrophil %	Fluorescence Flow Cytometry	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	Lymphocytes Absolute count #	Calculation	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	Lymphocytes %	Fluorescence Flow Cytometry	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	Eosinophils absolute count #	Calculation	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	Eosinophils %	Fluorescence Flow Cytometry	ADH-MZH-LAB-SOP-01-226 V. 1.0

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
Haematology	EDTA BLOOD	Monocytes Absolute count #	Calculation	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	Monocytes %	Fluorescence Flow Cytometry	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	Basophils Absolute count #	Calculation	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	Basophils %	Fluorescence Flow Cytometry	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	RBC Count	DC Impedance method with Hydrodynamic focusing	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	HGB	Cyanide Free-SLS Method	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	PLTs Count	Impedance method with Hydrodynamic focusing	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	HCT	Cumulative pulse peak-height detection	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	MCV	Calculation	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	MCH	Calculation	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	MCHC	Calculation	ADH-MZH-LAB-SOP-01-226 V. 1.0
Haematology	EDTA BLOOD	RDW	Calculation	ADH-MZH-LAB-SOP-01-226 V. 1.0
Blood Bank	EDTA Whole blood and EDTA Plasma	ABO-Rh and D weak Typing	Gel Method	ADH-MZH-LAB-PP-01-047-ABO-Rh and D weak Typing By

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
				Diamed and Manual Method policy
Blood Bank	EDTA Plasma	Antibody Screen	Gel Method	ADH-MZH-LAB-PP-01-050-Antibody Screen using Diamed Method and Manual Method policy
Blood Bank	EDTA Plasma	Pre-transfusion Testing (cross-match)	Gel Method	ADH-MZH-LAB-PP-01-030-Pre-transfusion Testing policy
Blood Bank	EDTA Whole blood	Direct Antigen test(DAT)	Gel Method	ADH-MZH-LAB-PP-01-049-Direct Antiglobulin Test by DIAMED System Method and Manual Method policy
Blood Bank	EDTA Plasma	Obstetric and Antenatal Blood Work-up (Type and Screen) ICT	Gel Method	ADH-MZH-LAB-PP-01-034-Obstetric and Antenatal Blood Work-up policy
Blood Bank	EDTA whole blood +Urine	Transfusion Reaction profile work up	Gel Method	ADH-MZH-LAB-PP-01-037-Blood Transfusion Reaction Policy
Blood Bank	EDTA Whole blood	Blood Group Confirmed	Gel Method	ADH-MZH-LAB-PP-01-022-Blood Group Confirmed policy
Microbiology	Sputum	AFB Smear	Ziehl-Neelsen stain (ZN stain)	ADH-MZH-LAB-SOP-01-116-Staining and Biochemical Tests Standard Operating Procedure
Microbiology	Faeces	Adenovirus Antigen	Immunochromatographic assay	ADH-MZH-LAB-SOP-01-122-Rota and Adeno Antigen Detection Standard Operating Procedure
Microbiology	Whole Blood	Blood Culture (Adult/pediatric)	BACTEC Fluorescent Test Technology	ADH-MZH-LAB-SOP-01-101-Bactec Fx 200 cultures Standard Operating Procedure

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
Microbiology	Perianal/Rectal Swab	Carbapenem-resistant enterobacteriaceae (CRE Screen)	CRE- CHROMagar, Vitek 2 Compact (Fluorogenic methodology for organism identification and turbidimetric method for susceptibility) Kirby-Bauer antibiotic testing or disk diffusion antibiotic sensitivity testing	ADH-MZH-LAB-SOP-01-117-CHROM agar for Carbapenem-Resistant Enterobacteriaceae Screening
Microbiology	Urine	Urine Analysis	Reflectance photometry (Cobas u 411)	ADH-MZH-LAB-SOP-01-098-Cobas U 411 Standard Operating Procedure
Microbiology	Urine	Urine Analysis	IRIS Automated Urinalyzer	ADH-MZH-LAB-SOP-01-186-Iris Automated Urinalysis - Standard Operating Procedure
Microbiology	Urine	Urinalysis physical exam	Macroscopy examination	ADH-MZH-LAB-SOP-01-104-Urine Routine Analysis Standard Operating Procedure
Microbiology	Urine	Sediment Microscopic analysis	IRIS Automated Urinalyzer	ADH-MZH-LAB-SOP-01-186-Iris Automated Urinalysis - Standard Operating Procedure
Microbiology	Urine	pH	semi-automated Chemstrip 10 Reflectance photometry	ADH-MZH-LAB-SOP-01-098-Cobas U 411 Standard Operating Procedure

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
Microbiology	Urine	Specific Gravity	semi-automated Chemstrip 10 Reflectance photometry	ADH-MZH-LAB-SOP-01-098-Cobas U 411 Standard Operating Procedure
Microbiology	Urine	Glucose	semi-automated Chemstrip 10 Reflectance photometry	ADH-MZH-LAB-SOP-01-098-Cobas U 411 Standard Operating Procedure
Microbiology	Urine	Protein	semi-automated Chemstrip 10 Reflectance photometry	ADH-MZH-LAB-SOP-01-098-Cobas U 411 Standard Operating Procedure
Microbiology	Urine	Blood/ Hemoglobin	semi-automated Chemstrip 10 Reflectance photometry	ADH-MZH-LAB-SOP-01-098-Cobas U 411 Standard Operating Procedure
Microbiology	Urine	Leukocyte Esterase	semi-automated Chemstrip 10 Reflectance photometry	ADH-MZH-LAB-SOP-01-098-Cobas U 411 Standard Operating Procedure
Microbiology	Urine	Nitrite	semi-automated Chemstrip 10 Reflectance photometry	ADH-MZH-LAB-SOP-01-098-Cobas U 411 Standard Operating Procedure
Microbiology	Urine	Bilirubin	semi-automated Chemstrip 10 Reflectance photometry	ADH-MZH-LAB-SOP-01-098-Cobas U 411 Standard Operating Procedure
Microbiology	Urine	Ketones	semi-automated Chemstrip 10	ADH-MZH-LAB-SOP-01-098-Cobas U 411 Standard Operating Procedure

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
			Reflectance photometry	
Microbiology	Urine	Urobilinogen	semi-automated Chemstrip 10 Reflectance photometry	ADH-MZH-LAB-SOP-01-098-Cobas U 411 Standard Operating Procedure
Microbiology	Faeces	Fecal immunochemical test (FIT)	Immunochromatographic assay	ADH-MZH-LAB-SOP-01-120-BIONEXIA FOB plus Standard Operating Procedure
Microbiology	Nasopharyngeal Aspirate, UTM Kit	FLU A & B Ag	Immunochromatographic assay	ADH-MZH-LAB-SOP-01-100-Influenza A and B Antigen Test Standard Operating Procedure
Microbiology	Swabs, sputum, Body Fluids, Whole Blood etc.	Gram Stain / Microscopy	Gram's method	ADH-MZH-LAB-SOP-01-116-Staining and Biochemical Tests Standard Operating Procedure
Microbiology	Faeces	Helicobacter pylori antigen in stool (HpSA test)	Immunochromatographic assay	ADH-MZH-LAB-SOP-01-118-H. Pylori Antigen Detection in Stool Standard Operating Procedure
Microbiology	Skin Scrapings, Nail or hair	KOH preparation	10% Potassium hydroxide Solution (KOH)	ADH-MZH-LAB-SOP-01-106-KOH Test Standard Operating Procedure
Microbiology	Swab (Groin, Nasal, Axilla & exit site etc.	Methicillin-resistant staphylococcus aureus (MRSA Screen)	MRSA Agar, Vitek 2 Compact (Fluorogenic methodology for organism identification and turbidimetric method for susceptibility) Kirby-	ADH-MZH-LAB-SOP-01-123-Methicillin-Resistant Staphylococcus Aureus - Standard Operating Procedure

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
			Bauer antibiotic testing or disk diffusion antibiotic sensitivity testing	
Microbiology	Sputum	Mycobacterium tuberculosis Rapid PCR (MTB Rapid PCR)	Cepheid GeneXpert system	ADH-MZH-LAB-SOP-01-114-Cepheid Xpert MTB-RIF Standard Operating Procedure
Microbiology	Faeces	Occult Blood (Faeces)	The HEMDETECT Test Modified guaiac method for detecting occult blood	ADH-MZH-LAB-SOP-01-119-HEMDETECT® Test for Occult Standard Operating Procedure
Microbiology	Faeces	Rotavirus antigen Test	Immunochromatographic assay	ADH-MZH-LAB-SOP-01-122-Rota and Adeno Antigen Detection Standard Operating Procedure
Microbiology	Nasopharyngeal Aspirate, UTM	Respiratory syncytial virus (RSV antigen)	Immunochromatographic assay	ADH-MZH-LAB-SOP-01-102-TRU RSV Standard Operating Procedure
Microbiology	Semen	Semen Analysis	Litmus Paper for pH Microscopy Hemocytometer for Sperm count	ADH-MZH-LAB-SOP-01-107-Semen Analysis Standard Operating Procedure
Microbiology	Faeces	Stool Analysis	Wet mount (Microscopy)	ADH-MZH-LAB-SOP-01-105-Direct Examination of Faecal Specimens Standard Operating Procedure



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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
Microbiology	Swab	Swab Microscopy	Wet mount (Microscopy)	ADH-MZH-LAB-SOP-01-109- Laboratory Examination of Urogenital Specimens Standard Operating Procedure
Microbiology	Swab	High Vaginal Swab (HVS), Low Vaginal Swab (LVS), Genital Culture, Group B streptococcus Screening (GBS)	Culture Media, Microscopy Vitek 2 Compact (Fluorogenic methodology for organism identification and turbidimetric method for susceptibility) Kirby-Bauer antibiotic testing or disk diffusion antibiotic sensitivity	ADH-MZH-LAB-SOP-01-109- Laboratory Examination of Urogenital Specimens Standard Operating Procedure
Microbiology	Pus, Abscess, Swab	Wound Culture, Eye Culture, Ear Culture	Culture Media, Gram Stain, Vitek 2 Compact (Fluorogenic methodology for organism identification and turbidimetric method for susceptibility) Kirby-Bauer antibiotic testing or disk diffusion antibiotic sensitivity testing	ADH-MZH-LAB-SOP-02-103- Handling of routine culture from different Specimens Standard Operating Procedure

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
Microbiology	Sputum, Swab, Endotracheal Aspirate	Sputum Culture, Nasal, Throat, ETT Culture, Bronchial Lavage, Oral Cavity	Culture Media, Gram Stain, Vitek 2 Compact (Fluorogenic methodology for organism identification and turbidimetric method for susceptibility) Kirby-Bauer antibiotic testing or disk diffusion antibiotic sensitivity testing	ADH-MZH-LAB-SOP-02-103- Handling of routine culture from different Specimens Standard Operating Procedure. ADH-MZH-LAB-SOP-01-110- Respiratory Tract Specimens Standard Operating Procedure
Microbiology	CSF, Pleural Fluid, Ascitic Fluid/ Peritoneal fluid, Synovial Fluid etc.	Body Fluid Culture	Culture Media, Gram Stain, Vitek 2 Compact (Fluorogenic methodology for organism identification and turbidimetric method for susceptibility) Kirby-Bauer antibiotic testing or disk diffusion antibiotic sensitivity testing	1.ADH-MZH-LAB-SOP-02-103- Handling of routine culture from different Specimens 2.ADH-MZH-LAB-SOP-01-124- Cerebrospinal fluid (CSF) 3.ADH-MZH-LAB-PP-01-164- Cerebrospinal Fluid (CSF) policy

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
Microbiology	Urine/ Catheter tip	Urine Culture/ Catheter tip culture	Culture Media, Urine Microscopy Vitek 2 Compact (Fluorogenic methodology for organism identification and turbidimetric method for susceptibility) Kirby- Bauer antibiotic testing or disk diffusion antibiotic sensitivity testing	ADH-MZH-LAB-SOP-01-112- Urine Culture Standard Operating Procedure
Microbiology	Faeces	Stool Culture	Culture Media, Vitek 2 Compact (Fluorogenic methodology for organism identification and turbidimetric method for susceptibility) Kirby- Bauer antibiotic testing or disk diffusion antibiotic sensitivity testing	ADH-MZH-LAB-SOP-01-111- Enteric Culture Standard Operating Procedure

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
Microbiology	Semen	Semen Culture	Culture Media, Gram Stain, Vitek 2 Compact (Fluorogenic methodology for organism identification and turbidimetric method for susceptibility) Kirby-Bauer antibiotic testing or disk diffusion antibiotic sensitivity testing	ADH-MZH-LAB-SOP-02-103- Handling of routine culture from different Specimens Standard Operating Procedure
Microbiology	Skin Scraping, Nail, Hair	Fungal Culture	Culture Media	ADH-MZH-LAB-SOP-02-103- Handling of routine culture from different Specimens
Microbiology	Urine	pH, Urine	Reflectance photometry (Cobas u 411)	ADH-MZH-LAB-SOP-01-098- Cobas U 411 Standard Operating Procedure
Microbiology	Swab or other specimen (Other than blood, urine or stool)	Routine culture and Gram stain (Other than blood, urine or stool)	Culture Media, Gram Stain, Vitek 2 Compact (Fluorogenic methodology for organism identification and turbidimetric method for susceptibility) Kirby-Bauer antibiotic	ADH-MZH-LAB-SOP-02-103- Handling of routine culture from different Specimens Standard Operating Procedure

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
			testing or disk diffusion antibiotic sensitivity testing	
Anatomical Pathology	Wet Specimen (Tissue samples)	Gross and Microscopic Examination, Decalcification, Slide Preparation and Staining (Routine and Special Stains)	Histological Examination including Special Stains Studies	ADH-MZH-LAB-PP-01-201-Gross Examination Policy ADH-MZH-LAB-SOP-01-225-Decalcification Process ADH-MZH-LAB-SOP-01-222-Procedure of H and E staining
Anatomical Pathology	Liquid Base Cytology(LBC) Specimen for Gyne Cytology	Microscopic Examination Slide Preparation and Staining (Routine )	Cytological Examination	ADH-MZH-LAB-PP-01-199-Gynecological Cytology Thin Prep Technique Policy
Anatomical Pathology	FNA- Fine Needle Aspiration Cytology Sample	Microscopic Examination Slide Preparation and Staining (Routine and Special Stains)	Cytological Examination	ADHADH-MZH-LAB-PP-01-198-FNA (Fine Needle Aspiration) Cytology Technique

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Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
Anatomical Pathology	Body Fluids Sample Cytology Non-GYne Cytology	Gross and Microscopic Examination Slide Preparation and Staining (Routine and Special Stains)	Cytological Examination	ADH-MZH-LAB-PP-01-200-Non Gynecological Cytology Effusions & Body Fluids
Anatomical Pathology	WET SPECIMENS / UN-STAINED SLIDES/ PARAFFIN BLOCKS/ PAP-LBC SPECIMENS	Extra-Departmental Consultation/Quality	Microscopic Examination	ADH-MZH-LAB-PP-01-213-Extra departmental Consultation