

## APPENDIX 1

### SCOPE OF LABORATORY ACCREDITATION

Certificate Ref No.:BLML076/LA/2024/CERT07

<b>Initial Date of Granting</b>	18/03/24	<b>Grant Date of Current Cycle</b>	18/03/2024
<b>Current Accreditation Cycle</b>	01	<b>Expiration Date</b>	17/03/2028

### BORDERLIFE MEDICAL LABORATORY

#### Main Testing Site

71 Eastern Main Road, Barataria, Trinidad & Tobago

#### FIELD: CHEMISTRY

#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
1	Serum	Albumin	Cobas c111/Bromcresol Green	g/dL
2	Serum	Alkaline Phosphatase	Cobas c111/ IFCC	U/L
3	Serum	Alanine Aminotransferase	Cobas c111/ IFCC without pyridoxal phosphate	U/L
4	Serum	Aspartate Aminotransferase	Cobas c111/ IFCC without pyridoxal phosphate	U/L
5	Serum	Calcium	Cobas c111/5_ nitro5'_methyl- BAPTA	mg/dL
	Serum	Cholesterol	Cobas c111/ Enzymatic, colorimetric	mg/dL
	Serum	Creatinine	Cobas c111/ Enzymatic	mg/dL
	Serum	Direct Bilirubin	Cobas c111/ Diazo Reaction	mg/dL
	Serum	Gamma-Glutamyl Transferase	Cobas c111/ Enzymatic	U/L

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#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
	Serum	Glucose	Cobas c111/Enzymatic with Hexokinase	mg/dL
	Serum	High Density Lipoprotein	Cobas/ Enzymatic colorimetric	mg/dL
	Serum	Iron	Cobas/ Colorimetric (FerroZine)	ug/dL
	Serum	Lactate Dehydrogenase	Cobas c111/ UV Assay IFCC	U/L
	Serum	Lipase	Cobas c111/Colorimetric	U/L
	Serum	Magnesium	Cobas c111/ Colorimetric endpoint (Xylidyl blue)	mg/dL
	Serum	Phosphorus	Cobas c111/ Endpoint (Molybdate)	mg/dL
	Serum	Total Bilirubin	Cobas c111/ Diazo	mg/dL
	Serum	Total Protein	Cobas c111/ Biuret	g/dL
	Serum	Triglycerides	Cobas c111/ Enzymatic (GPO PAP)	mg/dL
	Serum	Urea	Cobas c111/ Urease with GLDH	mg/dL
	Serum	Uric Acid	Cobas c111/ Enzymatic Colorimetric	mg/dL
	Serum	Creatine Kinase	Cobas c111/UV	U/L
	Serum	Sodium	EXIAS E2/ Potentiometric Electrode Technology	mmol/L
	Serum	Potassium	EXIAS E2/ Potentiometric Electrode Technology	mmol/L

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#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
	Serum	Chloride	EXIAS E2/ Potentiometric Electrode Technology	mmol/L

### FIELD: IMMUNOLOGY

#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
	Serum	Alpha Feto Protein	Cobas e411/ Sandwich principle	IU/mL
	Serum	Beta hCG	Cobas e411/Sandwich principle	mIU/mL
	Serum	CA 15-3	Cobas e411/Sandwich principle	U/mL
	Serum	CA 19-9	Cobas e411/Sandwich principle	U/mL
	Serum	CA 125	Cobas e411/Sandwich principle	U/mL
	Serum	CEA	Cobas e411/Sandwich principle	ng/mL
	Serum	Cortisol	Cobas e411/Competition principle	ng/mL
	Serum	Estradiol	Cobas e411/Competition principle	pg/mL
	Serum	Ferritin	Cobas e411/Sandwich principle	ng/mL
	Serum	FSH	Cobas e411/Sandwich principle	mIU/mL
	Serum	Free T3	Cobas e411/Competition principle	pg/mL
	Serum	Free T4	Cobas e411/Competition principle	ng/dL
	Serum	Insulin	Cobas e411/Sandwich principle	uIU/mL

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#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
	Serum	LH	Cobas e411/Sandwich principle	mIU/mL
	Serum	Progesterone	Cobas e411/Competition principle	ng/mL
	Serum	Prolactin	Cobas e411/Sandwich principle	ng/mL
	Serum	Total PSA	Cobas e411/Sandwich principle	ng/mL
	Serum	Testosterone	Cobas e411/Competition principle	ng/mL
	Serum	TSH	Cobas e411/Sandwich principle	uIU/mL
	Serum	Total T3	Cobas e411/Competition principle	ng/mL
	Serum	Total T4	Cobas e411/Competition principle	ug/dL
	Serum	Vitamin B12	Cobas e411/Competition principle	pg/mL
	Serum	Vitamin D	Cobas e411/Competition principle	ng/mL
	Serum	ANA	Chemwell 2900/ Indirect Solid Phase Enzyme Immunoassay	Negative/Positive
	Serum	Anti DS-DNA	Chemwell 2900/ ELISA	Negative/Positive
	Serum/Whole Blood	Troponin I; 0.5 – 20 ng/mL	Standard F200/ Florescence Immunoassay	ng/mL

### FIELD: HAEMATOLOGY

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#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
	Whole Blood	WBC	Cell Dyn Emerald 18	10 <sup>3</sup> /ul
	Whole Blood	LYMPHOCYTES #	Cell Dyn Emerald 18	10 <sup>3</sup> /ul
	Whole Blood	MID #	Cell Dyn Emerald 18	10 <sup>3</sup> /ul
	Whole Blood	GRANULOCYTES #	Cell Dyn Emerald 18	10 <sup>3</sup> /ul
	Whole Blood	LYMPHOCYTES %	Cell Dyn Emerald 18	%
	Whole Blood	MID %	Cell Dyn Emerald 18	%
	Whole Blood	GRANULOCYTES %	Cell Dyn Emerald 18	%
	Whole Blood	RBC	Cell Dyn Emerald 18	10 <sup>6</sup> /ul
	Whole Blood	HGB	Cell Dyn Emerald 18	g/dl
	Whole Blood	HCT	Cell Dyn Emerald 18	%
	Whole Blood	MCV	Cell Dyn Emerald 18	fL
	Whole Blood	MCH	Cell Dyn Emerald 18	pg
	Whole Blood	MCHC	Cell Dyn Emerald 18	g/dl
	Whole Blood	RDW	Cell Dyn Emerald 18	%
	Whole Blood	PLT	Cell Dyn Emerald 18	10 <sup>3</sup> /ul
	Whole Blood	MPV	Cell Dyn Emerald 18	fL
	Whole Blood	Blood Film Review	Manual/ Microscopy	N/A

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#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
	Plasma/Whole Blood	D-Dimer	Standard F200/ Florescence Immunoassay	<500 ng/mL
	Plasma	Prothrombin Time	BFT II/Coagulation	N/A
	Plasma	Partial Thromboplastin Time	BFT II/Coagulation	N/A
	Whole Blood	Sickle Cell Screening	SAS Sickle Cell Test/Manual	NEGATIVE

### FIELD: CYTOLOGY & MOLECULAR MICROBIOLOGY

#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
	Thin Prep Pap/Urine	CT/NG	GeneXpert	NOT DETECTED
	Thin Prep Pap/Urine	Trichomonas	GeneXpert	NOT DETECTED

### FIELD: MICROBIOLOGY & URINE ANALYSIS

#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
	Urine	Urine Culture and Sensitivity	Microscan Auto scan 4	N/A
	Urine	Urine Microanalysis- SPECIFIC GRAVITY	URIT analyser/Manual	N/A
	Urine	Urine Microanalysis -PH	URIT analyser/Manual	N/A
	Urine	Urine Microanalysis - LEUCOCYTES	URIT analyser/Manual	N/A

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#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
	Urine	Urine Microanalysis NITRITE	URIT analyser/Manual	N/A
	Urine	Urine Microanalysis PROTEIN	URIT analyser/Manual	N/A
	Urine	Urine Microanalysis GLUCOSE	URIT analyser/Manual	N/A
	Urine	Urine Microanalysis KETONES	URIT analyser/Manual	N/A
	Urine	Urine Microanalysis UROBILINOGEN	URIT analyser/Manual	N/A
	Urine	Urine Microanalysis BILIRUBIN	URIT analyser/Manual	N/A
	Urine	Urine Microanalysis BLOOD	URIT analyser/Manual	N/A
	Urine	Urine Microanalysis COLOUR	URIT analyser/Manual	N/A
	Urine	Urine Microanalysis APPEARANCE	URIT analyser/Manual	N/A

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**Secondary Testing Site**  
Nova Medical Center,  
22 Mausica Road

### FIELD: CHEMISTRY

#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
	Serum	Albumin	Biobase BK200/Bromcresol Green	g/dL
	Serum	Alkaline Phosphatase	Biobase BK200/IFCC	U/L
	Serum	Alanine Aminotransferase	Biobase BK200/ IFCC	U/L
	Serum	Aspartate Aminotransferase	Biobase BK200/ IFCC	U/L
	Serum	Calcium	Biobase BK200/Arsenazo III	mg/dL
	Serum	Cholesterol	Biobase BK200/ Enzymatic, colorimetric	mg/dL
	Serum	Creatinine	Biobase BK200/ Enzymatic	mg/dL
	Serum	Direct Bilirubin	Biobase BK200/DCA	mg/dL
	Serum	Gamma-Glutamyl Transferase	Biobase BK200/ SZASZ	U/L
	Serum	Glucose	Biobase BK200/GODPAP	mg/dL
	Serum	High Density Lipoprotein	Biobase BK200/ Direct	mg/dL
	Serum	Phosphorus	Biobase BK200/ Colorimetric	mg/dL
	Serum	Total Bilirubin	Biobase BK200/ DCA	mg/dL



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#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
	Serum	Total Protein	Biobase BK200/ Biuret	g/dL
	Serum	Triglycerides	Biobase BK200/Enzymatic Colorimetric	mg/dL
	Serum	Urea	Biobase BK200/Urease with GLDH	mg/dL
	Serum	Uric Acid	Biobase BK200/ TBHBA	mg/dL
	Serum	Sodium	Easlyte/Ion Selective Electrode Technology	mmol/L
	Serum	Potassium	Easlyte/Ion Selective Electrode Technology	mmol/L
	Serum	Chloride	Easlyte/Ion Selective Electrode Technology	mmol/L

### FIELD: HAEMATOLOGY

#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
	Whole Blood	WBC	Cell Dyn Emerald 18	10 <sup>3</sup> /ul
	Whole Blood	LYMPHOCYTES #	Cell Dyn Emerald 18	10 <sup>3</sup> /ul
	Whole Blood	MID #	Cell Dyn Emerald 18	10 <sup>3</sup> /ul
	Whole Blood	GRANULOCYTES #	Cell Dyn Emerald 18	10 <sup>3</sup> /ul
	Whole Blood	LYMPHOCYTES %	Cell Dyn Emerald 18	%
	Whole Blood	MID %	Cell Dyn Emerald 18	%
	Whole Blood	GRANULOCYTES %	Cell Dyn Emerald 18	%

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#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
	Whole Blood	RBC	Cell Dyn Emerald 18	10 <sup>6</sup> /ul
	Whole Blood	HGB	Cell Dyn Emerald 18	g/dl
	Whole Blood	HCT	Cell Dyn Emerald 18	%
	Whole Blood	MCV	Cell Dyn Emerald 18	fL
	Whole Blood	MCH	Cell Dyn Emerald 18	pg
	Whole Blood	MCHC	Cell Dyn Emerald 18	g/dl
	Whole Blood	RDW	Cell Dyn Emerald 18	%
	Whole Blood	PLT	Cell Dyn Emerald 18	10 <sup>3</sup> /ul
	Whole Blood	MPV	Cell Dyn Emerald 18	fL