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SCOPE OF LABORATORY ACCREDITATION

Certificate Ref No.: **BCM008/LA/2025/CERT23**

Initial Date of Granting	28-May-2013	**Grant Date of Current Cycle**	26-Nov-2025
Current Accreditation Cycle	04	**Expiration Date**	25-Nov-2029

Biomedical Caledonia Medical Laboratory Ltd.

8A Caledonia Avenue, Kingston 5, Jamaica W.I.

FIELD: *(Chemistry and Endocrinology)*

#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
1	Serum	HIV Ag/Ab Combo	Chemiluminescent Microparticle Immunoassay	N/A
2	Serum	HTLV I/II	Chemiluminescent Microparticle Immunoassay	N/A
3	Serum	Anti Hep BsAg	Chemiluminescent Microparticle Immunoassay	mIU/ml
4	Serum	Hep BsAg	Chemiluminescent Microparticle Immunoassay	N/A
5	Serum	Anti HCV	Chemiluminescent Microparticle Immunoassay	N/A
6	Serum	Rubella IgG	Chemiluminescent Microparticle Immunoassay	N/A
7	Serum	Anti CCP	Chemiluminescent Microparticle Immunoassay	U/ml
8	Serum	Albumin	Colorimetric (Bromocresol Green)	g/L
9	Serum	Alkaline Phosphatase	Para-nitrophenyl Phosphate	U/L
10	Serum	Alanine Aminotransferase (ALT)	Enzymatic NADH (without P-5'-P)	U/L
11	Serum	Amylase	Enzymatic (CNPG3 Substrate)	U/L

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12	Serum	Aspartate Aminotransferase (AST)	Enzymatic NADH (without P-5'-P)	U/L
13	Serum	Direct Bilirubin	Diazo Reaction	µmol/L
14	Serum	Total Bilirubin	Diazonium Salt	µmol/L
15	Serum	Calcium	Arsenazo 111	mmol/L
16	Serum	Carbon Dioxide (CO_2)	PEP Carboxylase	mmol/L
17	Serum	Chloride	ISE diluted (Indirect)	mmol/L
18	Serum	Cholesterol Total	Enzymatic	mmol/L
19	Serum	Creatinine Kinase (CK)	NAC (N-acetyl-L-cysteine)	U/L
20	Serum	Creatinine	Kinetic Alkaline Picrate	µmol/L
21	Serum	Gamma Glutamyl Transferase (GGT)	L-Gamma-glutamyl-3-carboxy-4-nitroanilide substrate	U/L
22	Plasma/CSF	Glucose	Enzymatic (Hexokinase/G-6-PDH)	mmol/L
23	Serum	hs CRP/CRP	Turbidimetric/Immunoturbidimetric	mg/dl
24	Serum	Lactate Dehydrogenase (LDH)	IFCC recommended forward reaction-Lactate to Pyruvate	U/L
25	Serum	Magnesium	Enzymatic	mmol/L
26	Serum	Phosphorus	Phosphomolybdate	mmol/L
27	Serum	Potassium	ISE diluted (Indirect)	mmol/L
28	Serum	Total Protein	Biuret	g/L
29	Serum	Sodium	ISE diluted (Indirect)	mmol/L
30	Serum	Triglycerides	Glycerol Phosphate Oxidase	mmol/L
31	Serum	Ultra HDL	Accelerator Selective Detergent	mmol/L

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32	Serum	Urea Nitrogen	Urease	mmol/L
33	Serum	Uric Acid	Uricase	mmol/L
34	Serum Urine	Ethanol	Enzymatic (Alcohol Dehydrogenase)	mg/dl
35	Urine	Cannabis	Enzymatic	µg/ml
36	Urine	Cocaine	Enzymatic	µg/ml
37	Serum	hs-Troponin I	Chemiluminescent Microparticle Immunoassay	pg/ml
38	Serum	CK-MB	IFCC Method Immunoinhibition	ng/dl
39	Serum	B12	Chemiluminescent Microparticle Intrinsic Factor Assay	pg/ml
40	Serum	Ferritin	Chemiluminescent Microparticle Immunoassay	ng/ml
41	Serum	Folate	Chemiluminescent Microparticle Immunoassay	ng/ml
42	Whole Blood (EDTA anticoagulant)	Haemoglobin A1c (HbA1c)	Liquid Chromatography HPLC	%
43	Serum	Free T4	Chemiluminescent Microparticle Immunoassay	pmol/L
44	Serum	T4 Total	Chemiluminescent Microparticle Immunoassay	nmol/L
45	Serum	Total T3	Chemiluminescent Microparticle Immunoassay	ng/dl
46	Serum	Free T3	Chemiluminescent Microparticle Immunoassay	pg/ml
47	Serum	T3 Uptake	Chemiluminescent Microparticle Immunoassay	T-Uptake UNITS
48	Serum	TSH	Chemiluminescent Microparticle Immunoassay	µIU/ml
49	Urine	Cortisol	Chemiluminescent Microparticle Immunoassay	nmol/24hr
50	Serum	Cortisol	Chemiluminescent Microparticle Immunoassay	nmol/L
51	Serum	Prolactin	Chemiluminescent Microparticle Immunoassay	ng/ml

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52	Serum	Estradiol	Chemiluminescent Microparticle Immunoassay	pg/ml
53	Serum	LH	Chemiluminescent Microparticle Immunoassay	mIU/ml
54	Serum	FSH	Chemiluminescent Microparticle Immunoassay	mIU/ml
55	Serum	Testosterone	Chemiluminescent Microparticle Immunoassay	ng/ml
56	Serum	βHCG (Total)	Chemiluminescent Microparticle Immunoassay	mIU/ml
57	Serum	Progesterone	Chemiluminescent Microparticle Immunoassay	ng/ml
58	Serum	DHEA-SO4	Chemiluminescent Microparticle Immunoassay	ug/dl
59	Serum	Insulin	Chemiluminescent Microparticle Immunoassay	µU/ml
60	Serum	Total PSA	Chemiluminescent Microparticle Immunoassay	ng/ml
61	Serum	Free PSA	Chemiluminescent Microparticle Immunoassay	ng/ml
62	Serum	CEA	Chemiluminescent Microparticle Immunoassay	ng/ml
63	Serum	CA 125	Chemiluminescent Microparticle Immunoassay	U/ml

FIELD: (Haematology)

#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNITS
64	Whole Blood	Hb	Colorimetric Analysis	g/dl
65	Whole Blood	WBC	LASER Optical Analysis	$x10^{9}/L$
66	Whole Blood	Platelets	LASER Optical Analysis	$x10^{9}/L$
67	Whole Blood	RBC	LASER Optical Analysis	$x10^{12}/L$
68	Whole Blood	HCT (PCV)	LASER Optical Analysis	L/L
69	Whole Blood	MCH	Derived/Calculated	pg

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70	Whole Blood	MCV	Derived/Calculated	fL
71	Whole Blood	MCHC	Derived/Calculated	g/dl
72	Whole Blood	Reticulocytes	Methylene blue Staining	%
73	Citrated Plasma	PT/FIB	Coagulimetric	sec/g/L
74	Citrated Plasma	PTT	Coagulimetric	Sec/g/L
75	Citrated Plasma	INR	Calculated Ratio	N/A
76	Whole Blood	Bleeding Time	Skin Puncture	min
77	Whole Blood	Clotting Time	Venipuncture	min
78	Whole Blood	ESR	Sedimentation Rate	mm/hr
79	Serum /Plasma	Mono Spot Test	Antibody Detection	N/A
80	Whole Blood	Hb S- Sickle	Slide/Sodium Metabisulphite	N/A
81	Whole Blood	Hb Electrophoresis	Agarose Gel	N/A
82	Whole Blood	Direct Coombs	Antihuman globulin test	N/A
83	Serum	Indirect Coombs	Indirect Antiglobulin test (IAT)	N/A
84	Whole Blood	Blood Group/Rhesus factor	Antigen-Antibody Reaction	N/A
85	Whole Blood	G6PD	Qualitative, Visual, Colorimetric	N/A
86	Serum	Iron	Ferene	ug/dl

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FIELD: (Microbiology-Bacteriology/Immunology/Serology/Stool Examination/Urinalysis)

#	SPECIMEN/ SAMPLE	EXAMINATION	METHOD	UNIT
87	Serum	ASO	Latex Agglutination	IU/ml
89	Serum	RF	Latex Agglutination	IU/ml
90	Serum	ANA	Indirect Fluorescent Antibody (IFA)	N/A
91	Serum	dsDNA	Enzyme-linked Immunosorbent assay	IU/ml
92	Serum	VDRL	Slide Flocculation	N/A
93	Serum (Sodium citrate), Plasma	TPPA	Particle Agglutination	N/A
94	Serum	Dengue Virus	Immuno-chromatographic	N/A
95	Serum	Dengue Duo	Immuno-chromatographic	N/A
96	Throat Swab	Immuno/Strep A	Rapid Immunoassay	N/A
97	Cerebrospinal Fluid (CSF)	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
98	Gastrointestinal Tract (stool)	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
99	Urethral Swabs	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
100	Penile Swabs	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
101	High Vaginal swabs	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
102	Endocervical Swabs	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
103	Vulval swabs	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
104	Air-dried smears of genital discharge	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A

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105	Semen	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
106	Aspirates from Bartolin's gland abscess	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
107	Genital ulcers swabs	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
108	Intra-Uterine devices (IUD)	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
109	Sputum Bronchial lavage	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
110	Throat swabs	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
111	Mouth swabs	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
112	Urinary Tract (Bag urine)	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
113	Urinary Tract (Catheter urine)	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
114	Urinary Tract (Clean-catch urine)	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
115	Urinary Tract (Mid-stream urine)	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
116	Urinary Tract (Suprapubic urine)	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
117	Abscesses, Aspirates and Wounds	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
118	Blood Cultures	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
119	Amniotic Fluid	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
120	Synovial (joint) Fluid	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
121	Pericardial Fluid	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
122	Pleural Fluid	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A

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123	Peritoneal Fluid	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
124	Eye swab	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
125	Ear swab	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
126	Nose swab	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
127	Skin swab	Culture & Sensitivity	Manual/Automated (Gram stain)	N/A
128	Stool	Occult Blood	Hema-Screen test kit Manual technique	N/A
129	Stool	Ova	Manual Technique Microscopy	N/A
130	Stool	Cyst	Manual Technique, Microscopy	N/A
131	Stool	Parasite	Manual Technique, Microscopy	N/A
132	Urine	Urinalysis (pH)	Reagent Strip (Dipstick) Automated	N/A
133	Urine	Urinalysis (Specific Gravity)	Reagent Strip (Dipstick) Automated	N/A
134	Urine	Urinalysis (Protein)	Reagent Strip (Dipstick) Automated Turbidity (visually)	N/A
135	Urine	Urinalysis (Blood)	Reagent Strip (Dipstick) Automated	N/A
136	Urine	Urinalysis (Glucose)	Reagent Strip (Dipstick) Automated	N/A
137	Urine	Urinalysis (Ketone)	Reagent Strip (Dipstick) Automated	N/A
138	Urine	Urinalysis (Bilirubin)	Reagent Strip (Dipstick) Automated	N/A
139	Urine	Urinalysis (Urobilinogen)	Reagent Strip (Dipstick) Automated	N/A
140	Urine	Urinalysis (Leucocytes)	Reagent Strip (Dipstick) Automated	N/A
141	Urine	Urinalysis (Nitrite)	Reagent Strip (Dipstick) Automated	N/A
142	Urine	Urinalysis (White Blood Cells) (WBC)	Microscopy	HPF
143	Urine	Urinalysis (RED Blood Cells) (RBC)	Reagent Strip (Dipstick) Automated Microscopy	HPF

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144	Urine	Urinalysis (Epithelial Cells)	Microscopy	N/A
145	Urine	Urinalysis (Bacteria)	Microscopy	N/A
146	Urine	Urinalysis (Crystals)	Microscopy	N/A
147	Urine	Urinalysis (Casts)	Microscopy	N/A

#	*SPECIMEN/ SAMPLE*	*EXAMINATION*	*METHOD*	*UNITS*	*GRANT DATE*
148	Nasopharyngeal Swab	Covid-19- Antigen	Immunochromatography/ Lateral Flow	N/A	2022/06/20

Note: Examination introduced to this document as an extension of scope will be included as part of the normal numbering of the examination at reassessment of the client. **Abbreviations** *(if necessary):*