



**Canossa Hospital (Caritas) Management Company Limited – Clinical Laboratory**

<b>ADDRESS</b> 地址	:	4/F, A Block, 1 Old Peak Road, Hong Kong 香港舊山頂道一號 A 座四樓
<b>LABORATORY DIRECTOR</b> 化驗所主管	:	<b>Biomedical Scientist Director 醫務科學主管:</b> Ms LEE Ching-man 李靜敏女士 MMedSc, BSc, Reg. Part I MLT
<b>PATHOLOGIST IN CHARGE OF THE ACCREDITED DISCIPLINE</b> 負責認可範疇的 病理學專科醫生	:	Nil
<b>ACCREDITED TEST CATEGORY</b> 認可測試類別	:	<b>Medical Testing</b> <b>醫務化驗</b> Chemical Pathology Clinical Microbiology and Infection Haematology Immunology Medical Genetics (Molecular Genetics) 化學病理學 臨床微生物學及傳染病 血液學 免疫學 醫學遺傳學 (分子遺傳學)

**Canossa Hospital (Caritas) Management Company Limited – Clinical Laboratory**

4/F, A Block, 1 Old Peak Road, Hong Kong

香港舊山頂道一號 A 座四樓

<b>MEDICAL TESTING</b>			
<b>DISCIPLINE</b> 專科範疇	<b>TEST AREA</b> <b>OR SAMPLE TYPE</b> 測試範圍或樣本種類	<b>SPECIFIC EXAMINATION OR</b> <b>PROPERTY MEASURED</b> 特定測試或量度的特性	<b>METHOD</b> <b>OR TECHNIQUE USED</b> 方法或應用技術
<b>This laboratory is accredited for performing the examinations listed below.</b>			
<b>Chemical Pathology</b>	<b>Blood gases and co-oximetry</b> Heparinized capillary whole blood, heparinized arterial whole blood	Blood Gas include: pCO <sub>2</sub> by Potentiometry	Instrumentation Laboratory GEM Premier 5000
		pH by Potentiometry	Instrumentation Laboratory GEM Premier 5000
		pO <sub>2</sub> by Potentiometry	Instrumentation Laboratory GEM Premier 5000
		Bicarbonate, Actual by Auto-calculation	Instrumentation Laboratory GEM Premier 5000 (Auto-calculated from preset equation)
		Bicarbonate, Standard by Auto-calculation	Instrumentation Laboratory GEM Premier 5000 (Auto-calculated from preset equation)
		O <sub>2</sub> saturation by Auto-calculation	Instrumentation Laboratory GEM Premier 5000 (Auto-calculated from preset equation)
		Base excess by Auto-calculation	Instrumentation Laboratory GEM Premier 5000 (Auto-calculated from preset equation)
		Total CO <sub>2</sub> by Auto-calculation	Instrumentation Laboratory GEM Premier 5000 (Auto-calculated from preset equation)
	O <sub>2</sub> content by Autocalculation	Instrumentation Laboratory GEM Premier 5000 (Auto-calculated from preset equation)	

**Canossa Hospital (Caritas) Management Company Limited – Clinical Laboratory**

4/F, A Block, 1 Old Peak Road, Hong Kong

香港舊山頂道一號 A 座四樓

<b>MEDICAL TESTING</b>			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
<b>This laboratory is accredited for performing the examinations listed below.</b>			
Chemical Pathology	General Chemistry Serum	Alanine Aminotransferase (ALT) by Spectrophotometry	Roche cobas c503 System ALTP2 assay
		Albumin by Spectrophotometry	Roche cobas c503 System Albumin BCG assay
		Albumin/Globulin ratio by Calculation	Calculated from results of Albumin and Total Serum Protein using formula as documented in WI-CC-041
		Alkaline Phosphatase (ALP) by Spectrophotometry	Roche cobas c503 System ALP2 assay
		Amylase by Spectrophotometry	Roche cobas c503 System AMYL2 assay
		Aspartate Aminotransferase (AST) by Spectrophotometry	Roche cobas c503 System ASTP2 assay
		Bicarbonate by Spectrophotometry	Roche cobas c503 System CO2-L assay
		Bilirubin, Direct by Spectrophotometry	Roche cobas c503 System Bilirubin, Direct assay
		Bilirubin, Total by Spectrophotometry	Roche cobas c503 System Bilirubin, Total assay
		Bilirubin, Indirect by Calculation	Roche cobas c503 System [calculated from Bilirubin, Total and Bilirubin, Direct]
		Bilirubin, Neonatal by Dual Wavelength	Leica Unistat Bilirubinometer Reichert Unisat Bilirubinometer
		Calcium by Spectrophotometry	Roche cobas c503 System Calcium assay
		Chloride by Potentiometry (Ion Selective Electrode)	Roche cobas c503 System ICT Na <sup>+</sup> , K <sup>+</sup> , Cl <sup>-</sup> assay

### Canossa Hospital (Caritas) Management Company Limited – Clinical Laboratory

4/F, A Block, 1 Old Peak Road, Hong Kong

香港舊山頂道一號 A 座四樓

<b>MEDICAL TESTING</b>			
<b>DISCIPLINE</b> 專科範疇	<b>TEST AREA</b> <b>OR SAMPLE TYPE</b> 測試範圍或樣本種類	<b>SPECIFIC EXAMINATION OR</b> <b>PROPERTY MEASURED</b> 特定測試或量度的特性	<b>METHOD</b> <b>OR TECHNIQUE USED</b> 方法或應用技術
<b>This laboratory is accredited for performing the examinations listed below.</b>			
Chemical Pathology (cont'd)	General Chemistry (cont'd) Serum (cont'd)	Cholesterol, High Density Lipoproteins (HDL) by Spectrophotometry	Roche cobas c503 System Direct HDL assay
		Cholesterol, Low Density Lipoproteins (LDL) by Spectrophotometry	Roche cobas c503 System Direct LDL assay
		Cholesterol, Total by Spectrophotometry	Roche cobas c503 System Cholesterol assay
		Creatine Kinase (CK) by Spectrophotometry	Roche cobas c503 System Cholesterol Creatine Kinase (CK2) assay
		Creatinine by Spectrophotometry	Roche cobas c503 System Creatinine (CREJ2) assay
		Estimated Glomerular Filtration Rate (eGFR) by Calculation	Roche cobas c503 System (calculated from Creatinine using Modification of Diet in Renal Disease (MDRD) Study equation)
		Gamma-Glutamyl Transferase (GGT) by Spectrophotometry	Roche cobas c503 System GGT assay
		Globulin by Auto-calculation	Auto-calculation from preset equation in Roche cobas c503 System
		Glucose by Spectrophotometry	Roche cobas c503 System Glucose assay
		Iron by Spectrophotometry	Roche cobas c503 System Iron assay
		Iron Binding Capacity, Total (TIBC) by Spectrophotometry	Roche cobas c503 System UIBC and Iron assay
		Iron saturation by Auto-calculation	Calculated from results of Iron and TIBC using formula as documented in WI-CC-041

**Canossa Hospital (Caritas) Management Company Limited – Clinical Laboratory**

4/F, A Block, 1 Old Peak Road, Hong Kong

香港舊山頂道一號 A 座四樓

<b>MEDICAL TESTING</b>				
<b>DISCIPLINE</b> 專科範疇	<b>TEST AREA</b> <b>OR SAMPLE TYPE</b> 測試範圍或樣本種類	<b>SPECIFIC EXAMINATION OR</b> <b>PROPERTY MEASURED</b> 特定測試或量度的特性	<b>METHOD</b> <b>OR TECHNIQUE USED</b> 方法或應用技術	
<b>This laboratory is accredited for performing the examinations listed below.</b>				
<b>Chemical Pathology</b> (cont'd)	<b>General Chemistry</b> (cont'd) Serum (cont'd)	Lactate Dehydrogenase (LDH) by Spectrophotometry	Roche cobas c503 System LDH assay	
		Magnesium by Spectrophotometry	Roche cobas c503 System MG assay	
		Phosphorus, Inorganic by Spectrophotometry	Roche cobas c503 System PHOS assay	
		Potassium by Potentiometry (Ion Selective Electrode)	Roche cobas c503 System ICT Na <sup>+</sup> , K <sup>+</sup> , Cl <sup>-</sup> assay	
		Protein, Total by Spectrophotometry	Roche cobas c503 System Total Protein assay	
		Sodium by Potentiometry (Ion Selective Electrode)	Roche cobas c503 System ICT Na <sup>+</sup> , K <sup>+</sup> , Cl <sup>-</sup> assay	
		Triglyceride by Spectrophotometry	Roche cobas c503 System Triglyceride assay	
		Uric Acid by Spectrophotometry	Roche cobas c503 System Uric Acid assay	
		Urea by Spectrophotometry	Roche cobas c503 System Urea assay	
	Heparin plasma	Troponin T, high sensitive by Immunoassay (Chemiluminescent label)	Roche cobas e402 System Troponin T hs assay	
	<b>Hormones</b> EDTA plasma	Adrenocorticotrophic hormone (ACTH) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Adrenocorticotrophic hormone (ACTH) assay	
		Serum	Cortisol by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Cortisol assay
			Dehydroepiandrosterone sulfate (DHEA-S) by Immunoassay (Chemiluminescent label)	Roche cobas e402 System Dehydroepiandrosterone sulphate (DHEA-S) assay

**Canossa Hospital (Caritas) Management Company Limited – Clinical Laboratory**

4/F, A Block, 1 Old Peak Road, Hong Kong

香港舊山頂道一號 A 座四樓

<b>MEDICAL TESTING</b>			
<b>DISCIPLINE</b> 專科範疇	<b>TEST AREA</b> <b>OR SAMPLE TYPE</b> 測試範圍或樣本種類	<b>SPECIFIC EXAMINATION OR</b> <b>PROPERTY MEASURED</b> 特定測試或量度的特性	<b>METHOD</b> <b>OR TECHNIQUE USED</b> 方法或應用技術
<b>This laboratory is accredited for performing the examinations listed below.</b>			
<b>Chemical Pathology</b> (cont'd)	<b>Hormones (cont'd)</b>  EDTA plasma    Serum	Parathyroid hormone, Intact (PTH) by Immunoassay (Chemiluminescent label)	Roche cobas e402 System Parathyroid hormone, Intact (PTH) assay
		Thyroid Stimulating Hormone (TSH) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Thyroid Stimulating Hormone (TSH) assay
		Thyroxine, Free (FT4) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Thyroxine, Free (FT4) assay
		Triiodothyronine, Free (FT3) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Triiodothyronine, Free (FT3) assay
		Estradiol by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Estradiol (E2) assay
		Follicle Stimulating Hormone (FSH) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Follicle Stimulating Hormone (FSH) assay
		Human Chorionic Gonadotropin ( $\beta$ -HCG) by Immunoassay (Chemiluminescent label)	Roche cobas e402 System Human Chorionic Gonadotropin (HCG) assay
		Luteinising Hormone (LH) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Luteinising Hormone (LH) assay
		Prolactin by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Prolactin assay
Progesterone by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Progesterone assay		

**Canossa Hospital (Caritas) Management Company Limited – Clinical Laboratory**

4/F, A Block, 1 Old Peak Road, Hong Kong

香港舊山頂道一號 A 座四樓

<b>MEDICAL TESTING</b>			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
<b>This laboratory is accredited for performing the examinations listed below.</b>			
Chemical Pathology (cont'd)	Proteins, quantitative analysis Serum	C-Reactive Protein (CRP) by Spectrophotometry	Roche cobas c503 System CRP assay
		Ferritin by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Ferritin assay
	Special Chemistry EDTA whole blood	Haemoglobin A1C (HbA1c) by Capillary electrophoresis	Sebia Minicap flex-piercing capillary electrophoresis analyser, Sebia MINICAP HbA1c kit
	Serum	Folate by Immunoassay (Chemiluminescent label)	Roche cobas e402 System Folate assay
		25-Hydroxyvitamin D, Total (Vitamin D, Total) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System 25-Hydroxyvitamin D, Total (Vitamin D, Total) assay

**Canossa Hospital (Caritas) Management Company Limited – Clinical Laboratory**

4/F, A Block, 1 Old Peak Road, Hong Kong

香港舊山頂道一號 A 座四樓

<b>MEDICAL TESTING</b>			
<b>DISCIPLINE</b> 專科範疇	<b>TEST AREA</b> <b>OR SAMPLE TYPE</b> 測試範圍或樣本種類	<b>SPECIFIC EXAMINATION OR</b> <b>PROPERTY MEASURED</b> 特定測試或量度的特性	<b>METHOD</b> <b>OR TECHNIQUE USED</b> 方法或應用技術
<b>This laboratory is accredited for performing the examinations listed below.</b>			
<b>Chemical Pathology</b> (cont'd)	<b>Tumour Markers</b> Serum	Alpha-fetoprotein (AFP) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Alpha-fetoprotein (AFP) assay
		CA 15-3 by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Cancer Antigen 15-3 (CA 15-3 II) assay
		CA19-9 by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Cancer Antigen 19-9 (CA19-9) assay
		CA 125 by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Cancer Antigen 125 (CA 125 II) assay
		Carcinoembryonic Antigen (CEA) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Carcinoembryonic Antigen (CEA) assay
		Prostate Specific Antigen, Free (FPSA) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Prostate Specific Antigen, Free (FPSA) assay
		Prostate Specific Antigen, Total (TPSA) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Prostate Specific Antigen, Total (TPSA) assay
		PSA, Free / PSA, Total Ratio by Calculation	Calculated from results of Free and Total Prostate Specific Antigen (PSA) using formula as documented in WI-CC-041
<b>Immunology</b>	<b>Immunochemistry</b> Serum	Immunoglobulin E (IgE) by Immunoassay (Chemiluminescent label)	Roche cobas e402 System Immunoglobulin E (IgE) assay



**Canossa Hospital (Caritas) Management Company Limited – Clinical Laboratory**

4/F, A Block, 1 Old Peak Road, Hong Kong

香港舊山頂道一號 A 座四樓

<b>MEDICAL TESTING</b>			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
<b>This laboratory is accredited for performing the examinations listed below.</b>			
<b>Clinical Microbiology and Infection</b>	<b>Virology – Serology</b> Serum	Hepatitis B surface antibody (Anti-HBs) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Hepatitis B surface antibody (Anti-HBs II) assay
		Hepatitis B surface antigen (HBsAg) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Hepatitis B surface antigen (HBsAg II) assay
		Hepatitis C antibody (Anti-HCV) by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Hepatitis C antibody (Anti-HCV II) assay
		Human Immunodeficiency virus (HIV) I p24 antigen and HIV I & II antibody by Immunoassay (Chemiluminescent label)	Roche cobas e801 System Human Immunodeficiency Virus HIV-1 antigen and total antibody to HIV-1 and HIV-2 (HIV Combi PT) assay

**Canossa Hospital (Caritas) Management Company Limited – Clinical Laboratory**

4/F, A Block, 1 Old Peak Road, Hong Kong

香港舊山頂道一號 A 座四樓

<b>MEDICAL TESTING</b>			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
<b>This laboratory is accredited for performing the examinations listed below.</b>			
<b>Medical Genetics</b>	<b>Molecular Genetics (microbiology)</b> Deep throat saliva, throat swab, nasal swab, nasopharyngeal swab and oropharyngeal swabs	Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2), qualitative by  Real-Time Reverse Transcription Polymerase Chain Reaction (Target regions: E, N, RdRp and S gene)    Real-Time Reverse Transcription Polymerase Chain Reaction (Target regions: E and N2 gene)	Nucleic acid extraction as documented in SOP-MD-01  Nucleic acid amplification and detection as documented in SOP-MD-01    Nucleic acid extraction as documented in SOP-MD-02  Nucleic acid amplification and detection as documented in SOP-MD-02

**Canossa Hospital (Caritas) Management Company Limited – Clinical Laboratory**

4/F, A Block, 1 Old Peak Road, Hong Kong

香港舊山頂道一號 A 座四樓

<b>MEDICAL TESTING</b>			
<b>DISCIPLINE</b> 專科範疇	<b>TEST AREA</b> <b>OR SAMPLE TYPE</b> 測試範圍或樣本種類	<b>SPECIFIC EXAMINATION OR</b> <b>PROPERTY MEASURED</b> 特定測試或量度的特性	<b>METHOD</b> <b>OR TECHNIQUE USED</b> 方法或應用技術
<b>This laboratory is accredited for performing the examinations listed below.</b>			
<b>Haematology</b>	<b>Haematology - General</b> EDTA whole blood	Complete blood count including - Haemoglobin - Haematocrit - Leucocyte count (WBC count) - Mean corpuscular volume (MCV) - Mean corpuscular haemoglobin (MCH) - Mean corpuscular haemoglobin concentration (MCHC) - Platelet count - Red cell count  Erythrocyte sedimentation rate (ESR) by Automated method  Malaria parasite examination by Thick and thin films  Peripheral blood smear examination by May-Grunwald-Giemsa/ Wright stain	Automated system: Sysmex XN 1000  Method as documented in SOP-HE-03 using Vital Diagnostics Monitor 20 Method as documented in SOP-HE-07 using Alifax Roller 20PN  Method as documented in SOP-HE-05  Method as documented in SOP-HE-02
	<b>Haematology - Special</b> EDTA whole blood	Glucose-6-phosphate Dehydrogenase (G6PD) by Spectrophotometry	Cobas c501 System with Randox Glucose-6-phosphate dehydrogenase assay and calculated with Haemoglobin from Sysmex XN 1000 using formula as documented in SOP-CC-007

## Canossa Hospital (Caritas) Management Company Limited – Clinical Laboratory

4/F, A Block, 1 Old Peak Road, Hong Kong

香港舊山頂道一號 A 座四樓

<b>MEDICAL TESTING</b>			
<b>DISCIPLINE</b> 專科範疇	<b>TEST AREA</b> <b>OR SAMPLE TYPE</b> 測試範圍或樣本種類	<b>SPECIFIC EXAMINATION OR</b> <b>PROPERTY MEASURED</b> 特定測試或量度的特性	<b>METHOD</b> <b>OR TECHNIQUE USED</b> 方法或應用技術
<b>This laboratory is accredited for performing the examinations listed below.</b>			
<b>Haematology</b> (cont'd)	<b>Blood bank – General</b> Clotted blood and EDTA whole blood	ABO and Rh(D) typing by Red cell agglutination	Gel card method (Bio-Rad) as documented in WI-BB-21 using Bio Rad IH-500 Manual method as documented in WI-BB-02, WI-BB-06 and WI-BB-07
		Antibody screening by column agglutination technology	Gel card method (Bio-Rad) as documented in WI-BB-21 using Bio Rad IH-500
		Crossmatch by column agglutination technology	Gel card method (Bio-Rad) as documented in WI-BB-21 using Bio Rad IH-500
	Cord blood	ABO and Rh(D) typing by Red cell agglutination	Gel card method (Bio-Rad) as documented in WI-BB-21 using Bio Rad IH-500 Manual method as documented in WI-BB-08
	<b>Blood Bank – Special</b> Clotted blood and EDTA whole blood	Antibody identification by column agglutination technology	Gel card method (Bio-Rad) as documented in WI-BB-21 using Bio Rad IH-500
	<b>Blood bank – Immunohaematology</b> EDTA whole blood	Direct antiglobulin test (DAT) by column agglutination technology	Gel card method (Bio-Rad) as documented in WI-BB-21 using Bio Rad IH-500