CYPRUS ORGANIZATION FOR THE PROMOTION OF QUALITY
CYPRUS ACCREDITATION BODY

ACCREDITATION CERTIFICATE no. *L005-5*

The Board of Governors
of the Cyprus Organization for the Promotion of Quality,
the National Accreditation Body,
in accordance with the Article 7 of the Law 156(I)/2002

GRANTS ACCREDITATION to

BIOMEDICAL LAB CHARIS CHARILAOU

In Nicosia

The above Laboratory was assessed according to the Accreditation Criteria for Medical Laboratories, as defined in the Standard

CYS EN ISO 15189:2012

and was found technically competent to carry out the **Tests** included in the Scope of Accreditation which is described in the **Annex** to this Certificate as an **integrated part of it. The Scope of Accreditation** can change only after approval from the Cyprus Accreditation Body.

CYS-CYSAB is a signatory of the European co-operation for Accreditation Multilateral Agreement (EA-MLA) for accreditation in this field.

The current Accreditation Certificate, no. *L005-5*, **is issued on the 14th of February 2024 and is valid from 24th of October 2023 until the 23th of October 2027.**

Accreditation was awarded for the first time on the 24th of October 2007

Antonis Ioannou
Director

Date: **14th of February 2024**

This laboratory is accredited in accordance with the recognised International Standard ISO 15189:2012. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management System (ISO-ILAC-IAF Communiqué, 8th of September 2015).

Annex

Of the Accreditation Certificate no. L005-5

of the

BIOMEDICAL LAB
CHARIS CHARILAOU

Valid from 24th October 2023 to 23rd October 2027.

Materials/ products	Types of examinations / Properties measured	Methods applied / Technical fields
BIOCHEMICAL TESTS		
Serum	**Measurement of 37 parameters**	**HITACHI C311**
	1. Alanyl-Aminotransferase (ALT)	UV Without P5P
	2. Albumin (Alb)	Colorimetric BCG
	3. Alkaline Phosphatase (ALP)	PNP AMP Buffer
	4. Aspartate Aminotransferase (AST)	UV Without P5P
	5. Bilirubin Direct (Bil-D)	Diazotised Sulfanilic Acid
	6. Total Bilirubin (T-bili)	Diazonium Ion Method
	7. Total Cholesterol (Chol)	Enzymatic Colorimetric
	8. Cholinesterase (Pseudo)	Colorimetric Assay
	9. Creatinine Kinase (CK)	UV: NAC Activated
	10. Creatinine Kinase, Fraction (CK MB)	Immunological UV Assay
	11. Gamma-Glutamyltransferase (GGT)	Glutamyl-CO-3NO-4anilide
	12. Glucose 3 (Glucose HK Gen 3)	UV Enzymatic Hexokinase
	13. Cholesterol HDL	Homogeneous Enzymatic Colorimetric Direct
	14. Iron (Fe)	Colorimetric Ferrozine
	15. Lactate Dehydrogenase (LDH)	Lactate-Pyruvate UV
	16. Lipase	Colorimetric
	17. Magnesium (Mg)	Arsenazo Method
	18. Total Protein (TP)	Biuret End Point
	19. Triglycerides (Tri)	Lip/GK Colorimetric
	20. IGG-Gen.2	Immunoturbidometric
	21. IGA-Gen.2	Immunoturbidometric
	22. IGM-Gen.2	Immunoturbidometric
	23. C-reactive Protein (CRP)	Immunoturbidometric
	24. R.F.	Immunoturbidometric
	25. ASO	Immunoturbidometric
	26. Complement C3c	Immunoturbidometric
	27. Complement C4	Immunoturbidometric
	28. Sodium (Na)	ISE Direct
	29. Potassium (K)	ISE Direct
	30. Chlorides (Cl)	ISE Direct

Blood	31. HBA1C	TinaQuant Whole Blood
Serum/Urine	32. Amylase (AMS)	PNP Linked, Blocked G7
	33. Calcium (Ca)	Cresolphthalein
	34. Creatinine (Creat)	Alkaline Picrate (IDMS)
	35. Phosphorous (Phos)	Phosphomolyb Formation
	36. Urea (BUN)	Kinetic with Urease and Glutamate
	37. Uric Acid	Enzymatic Colorimetric Uricase
HAEMATOLOGY TESTS		
Blood (EDTA)	**Measurement of 23 parameters**	**SYSMEX XN 530**
	1. Hematocrit (Hct)	DC Detection (HCT) is measured by the RBC pulce height
	2. Hemoglobin (Hgb)	Colorimetric
	3. Mean Corpuscular Hemoglobin (MCH)	SLS-Hgb method.
	4. Mean Corpuscular Hemoglobin Concentration (MCHC)	Automatic Calculation from HGB and RBC
	5. Mean corpuscular volume (MCV)	Automatic Calculation from HGB and HCT
	6. Platelets (PLT)	Automatic Calculation from HCT and RBC
	7. Red Blood Cells (RBC)	Volumetric Impedance Change- Direct Current (DC) Detection method
	8. White Blood Cells (WBC)	Flow Cytometry method
	9. Mean platelet Volume (MPV)	Volumetric Impedance Change- Direct Current (DC) Detection method
	10. Red Cell Dist. Width CV (RDW)	Flow Cytometry method.
	11. Red Cell Dist. Width SD (RDW)	Automatic Calculation from PCT and PLT
	12. Neutrophils (NEUT) (%)	Flow Cytometry method
	13. Lymphocytes (LYMP) (%)	Flow Cytometry method
	14. Monocytes (MONO) (%)	Flow Cytometry method
	15. Eosinophils (EO) (%)	Flow Cytometry method
	16. Basophils (BASO) (%)	Flow Cytometry method
	17. Neutrophils (NEUT) (#)	Flow Cytometry method
	18. Lymphocytes (LYMP) (#)	Flow Cytometry method
	19. Monocytes (MONO) (#)	Flow Cytometry method
	20. Eosinophils (EO) (#)	Flow Cytometry method
	21. Basophils (BASO) (#)	Flow Cytometry method
	22. Plateletcrit (PCT) %	Automatic Calculation from MCV and PLT
	23. Platelet Distribution Width (PDW) fL	Automatic Calculation from PLT
IMMUNOCHEMICAL TESTS		
Serum	**Measurement of 16 parameters**	**Cobas e411**
	1. Hepatitis B surface Antigen (HBsAg)	ECLIA
	2. Hepatitis C (HCV)	
	3. HIV	
	4. Cancer Embryonic Antigen (CEA)	
	5. Cancer Antigen 125 (CA-125)	
	6. Cancer Antigen 19-9 (CA 19-9)	
	7. Cancer Antigen 15-3 (CA-15-3)	
	8. Toxo IgG	
	9. Toxo IgM	
	10. Ferritin	
	11. α-Fetoprotein (AFP)	
	12. IGE	

	13. Rubella IgG	
	14. CMV IgM	
	15. CMV IgG	
	16. Anti HBC (Core IgG/IgM Total)	
Serum and Plasma	**Measurement of 1 parameter**	
	1. Syphillis RPR	Non-Treponema (Rapid Plasma Reagin)
COAGULATION TESTS		
Plasma (Sodium Citrate)	**Measurement of 3 parameters**	**SYSMEX CA 600**
	1. Prothrombin Time	Electrochemical Clot Detection
	2. INR	
	3. APTT	

All reports should be signed by Mr Charis Charilaou.

Comments

This Annex refers **only to tests** carried out **in the premises of the Laboratory**. Address: 41 Makarios III Avenue, Flat 21, 1065 Nicosia.

Antonis Ioannou
Director

Date: **14th of February 2024**