

شهادة اعتماد

رقم ML 022



يقر نظام الاعتماد العراقي بأن:
(شعبة الكيمياء السريرية وشعبة امراض الدم وشعبة الاحياء
المجهرية وشعبة المناعة) / قسم المختبرات
مؤسسة وارث الدولية لعلاج الأورام
العراق- كربلاء المقدسة - طريق الحر

تم اعتمادها وفقا لمتطلبات المواصفة ISO 15189:2012
(المختبرات الطبية- متطلبات الكفاءة والجودة)

في مجال:

- اختبارات الكيمياء السريرية
- اختبارات الاحياء المجهرية الطبية
- اختبارات المناعة السريرية
- اختبارات امراض الدم السريرية

شرط التوافق مع متطلبات المواصفة اعلاه ومتطلبات IQAS الخاصة بالاعتماد
مجال الاعتماد المرفق بالشهادة يعتبر جزءا لا يتجزأ منها
يمكن الحصول على الاصدار الاحدث من مجال الاعتماد من خلال الموقع الالكتروني
<https://iqas.mop.gov.iq>

يكون الاعتماد نافذا من ٢٠٢٤/٧/١٥ الى ٢٠٢٦/٧/١٤
تاريخ منح الاعتماد لأول مرة
٢٠٢٤/٧/١٥

تفقد
أ.د. محمد علي تميم
نائب رئيس مجلس الوزراء
وزير التخطيط

د. محمد لطيف أحمد
مدير عام الهيئة العراقية للاعتماد

ACCREDITATION CERTIFICATE

No. ML 022



Iraqi Accreditation System Certify that:
**(Biochemistry Section, Hematology Section, Microbiology
Section and Clinical Immunology Section)**
**Laboratory Department / Warith International Cancer
Institution**
Iraq – Karbala - Al Horr Street

Is accredited according to the requirements of the standard ISO 15189:2012
(Medical laboratories — Requirements for quality and competence)

In the field of:

- Clinical Chemistry Testing - Medical Microbiological Testing
- Clinical Immunology Testing - Clinical Hematology Testing

This accreditation is subject to with the above standard & IQAS requirements
The scope of accreditation is attached to the certificate & considered as part of it

The most recent issue of the accreditation scope is available on IQAS website
<https://iqas.mop.gov.iq>

Accreditation is valid From 15/7/2024 To 14/7/2024

Initial accreditation date
15/7/2024

Dr. Mohammed Lateef Ahmed
General Manager of IQAS

Dr. Mohammed Ali Tamim
Deputy Prime Minister
Minister of Planning

	استمارة مجال الاعتماد Scope of Accreditation form	نظام الاعتماد العراقي IQAS
Organization address: Iraq – Karbala - Al Horr Street	Organization name : (Biochemistry Section, Hematology Section, Microbiology Section and Clinical Immunology Section) Laboratory Department / Warith International Cancer Institution	Accreditation no.: ML 022
Signature:  Abdul Wahid Mohammed Ibrahim Deputy General Manager	Accreditation is valid: From 15/7/2024 To 14/7/2026	Issue no. : 001

Branch/ Sector	Parameters /Test	Type of sample or system material	Principle of measurement	Instrument	Units
Clinical chemistry	Albumin	Serum	Photometric	Abbott-ci4100	g/dl
	Alkaline Phosphatase	Serum	Photometric	Abbott-ci4100	U/l
	ALT(GPT)	Serum	Photometric	Abbott-ci4100	U/l
	Amylase	Serum	Photometric	Abbott-ci4100	U/l
	AST(GOT)	Serum	Photometric	Abbott-ci4100	U/l
	Chloride	Serum	Ion-selective electrode	Abbott-ci4100	mmol/l
	Cholesterol	Serum	Photometric	Abbott-ci4100	mg/dl
	Creatinine	Serum	Photometric	Abbott-ci4100	mg/dl
	GGT	Serum	Photometric	Abbott-ci4100	U/l
	Glucose	Serum	Photometric	Abbott-ci4100	mg/dl
	HDL-Cholesterol	Serum	Photometric	Abbott-ci4100	mg/dl
	Iron	Serum	Photometric	Abbott-ci4100	ug/dl
	LD (LDH)	Serum	Photometric	Abbott-ci4100	U/l
	Lipase	Serum	Photometric	Abbott-ci4100	U/l
	Magnesium	Serum	Photometric	Abbott-ci4100	mg/dl

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	Phosphate, inorganic	Serum	Photometric	Abbott-ci4100	mg/dl
	Potassium	Serum	Ion-selective electrode	Abbott-ci4100	mmol/l
	Protein ,Total	Serum	Photometric	Abbott-ci4100	g/dl
	Sodium	Serum	Ion-selective electrode	Abbott-ci4100	mmol/l
	Triglyceride	Serum	Photometric	Abbott-ci4100	mg/dl
	Urea	Serum	Photometric	Abbott-ci4100	mg/dl
	Uric Acid (Urate)	Serum	Photometric	Abbott-ci4100	mg/dl
	Free T3	Serum	(CMIA)	Abbott – i1000	pg/ml
	Total T3	Serum	(CMIA)	Abbott – i1000	ng/ml
	Free T4	Serum	(CMIA)	Abbott – i1000	ng/dl
	Total T4	Serum	(CMIA)	Abbott – i1000	ug/dl
	TSH	Serum	(CMIA)	Abbott – i1000	uIU/mL
	FSH	Serum	(CMIA)	Abbott – i1000	mIU/ml
	LH	Serum	(CMIA)	Abbott – i1000	mIU/ml
	Prolactin	Serum	(CMIA)	Abbott – i1000	ng/ml
	Cortisol	Serum	(CMIA)	Abbott – i1000	µg/dl
	Vitamin D3	Serum	(CMIA)	Abbott – i1000	ng/ml

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	CA 15-3	Serum	(CMIA)	Abbott – i1000	U/ml
	CA 125	Serum	(CMIA)	Abbott – i1000	U/ml
	CA 19-9	Serum	(CMIA)	Abbott – i1000	U/ml
	CEA (carcinoembryonic antigen)	Serum	(CMIA)	Abbott – i1000	ng/mL
	CRP	Serum	Photometric	Abbott-ci4100	mg/L
	PTH	Serum	(CMIA)	Abbott – i1000	pg/ml
	B12	Serum	(CMIA)	Abbott – i1000	pg/mL
	Testosterone	Serum	(CMIA)	Abbott – i1000	ng/dL
	□HCG	Serum	(CMIA)	Abbott – i1000	mIU/mL
	Estradiol	Serum	(CMIA)	Abbott – i1000	Pg/ml
	PCT	Serum	(CMIA)	Abbott – i1000	ng/ml
	Methotrexate (MTX)	Serum	(CMIA)	Abbott – i1000	umol/L
	Ferritin	Serum	(CMIA)	Abbott – i1000	ng/ml
Clinical immunology testing sector	PSA, Total Prostate specific antigen	Serum	Chemiluminescent Microparticle Immunoassay(CMIA)	Abbott – i1000	ng/ml
	AFP	Serum	(CMIA)	Abbott – i1000	ng/ml

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	Anti- TPO	Serum	(CMIA)	Abbott – i1000	IU/ml
	TPO	Serum	(CMIA)	Abbott – i1000	IU/mL
	Thyroglobul in (Tg)	Serum	(CMIA)	Abbott – i1000	ng/mL
	FPSA	Serum	(CMIA)	Abbott – i1000	ng/ml
	Anti- TG	Serum	(CMIA)	Abbott – i1000	IU/ml
Medical microbiological testing sector	HIV	Serum	(CMIA)	Abbott – i1000	S/CO
	HCV	Serum	(CMIA)	Abbott – i1000	S/CO
	Hbs Ag	Serum	(CMIA)	Abbott – i1000	S/CO
	Syphilis	Serum	(CMIA)	Abbott – i1000	S/CO
	CMV IgG	Serum	(CMIA)	Abbott – i1000	AU/mL
	CMV IgM	Serum	(CMIA)	Abbott – i1000	S/CO
	EBV VCA IgG	Serum	(CMIA)	Abbott – i1000	S/CO
	EBV VCA IgM	Serum	(CMIA)	Abbott – i1000	S/CO
	HAV Ab- IgG	Serum	(CMIA)	Abbott – i1000	S/CO
	HAV Ab- IgM	Serum	(CMIA)	Abbott – i1000	S/CO
	TOXO IgG	Serum	(CMIA)	Abbott – i1000	IU/mL
	TOXO IgM	Serum	(CMIA)	Abbott – i1000	S/CO

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Anti HBC IgM	Serum	(CMIA)	Abbott – i1000	S/CO
Acid Fast Bacilli (AFB) Smear	sputum, Urine, Bronchial Brushing, Deep tracheal aspirate, Broncho alveolar lavage, Body fluids, Bone marrow, Cerebrospinal fluid, Wound and abscess.	Detection of Mycobacterium tuberculosis by microscopy.	Stain D.M	visual
Gram Stain	all body specimens	differential stain between bacteria gram positive and gram negative	Stain D.M	visual
Clostridium Difficile Toxin A+B Detection	Fresh random stool	Qualitative immunochromato -graphic assay	Toxin A+B Detection (Kit)	Positive negative
Culture, Urine/Colon y Count	urine	quantification, and identification of bacteria and yeast in urine	Manual D.M	CFU
Culture, Sputum and Other Lower Respiratory Tract Specimens	Sputum first morning specimen in a sterile container, DTA and BAL	identification of clinically relevant bacteria	Manual D.M	Bacteria species
Culture, Nasopharyn	swab	detect the carriers	Manual D.M	Bacteria species

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	Culture, Stool	stool	Detection and identification of the causative agent of bacterial diarrhea	Manual D.M	Bacteria species
	Culture, Fungal	Hair, skin, nail, biopsy, body fluid, blood, feces, CSF urine, genitourinary secretions, sputum	identification of different fungi	Manual D.M	Fungal species
	Culture, Wound,	Swab, wound	Detection and isolation of aerobic bacteria	Manual D.M	Bacteria species
	Culture, pus	Swab, pus	Detection and isolation of aerobic bacteria	Manual D.M	Bacteria species
	Culture, Abscesses	Swab, Abscesses	Detection and isolation of aerobic bacteria	Manual D.M	Bacteria species
	Culture, Catheter & tip	Vascular Cannula , central venous pressure lines umbilical or intravenous catheters	Detection and identification of organisms implicated in catheter(nosocomial)	Manual D.M	- Bacteria species
	Culture, Tissues	Tissue	Detection and identification of clinically relevant aerobic bacteria	Manual D.M	Bacteria species

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	Culture, Biopsies	lymph nodes, and other biopsy material	Detection and identification of clinically relevant aerobic bacteria	Manual D.M	Bacteria species
	Culture, Blood & Bone Marrow	<u>blood & Bone Marrow</u>	Isolate and identify potentially pathogenic organisms	Bact alert D.M	Bacteria species
	Culture, Brucella	Blood and bone marrow, CSF, fluid	Diagnosis of brucellosis	Bact alert D.M	Positive/ Negative
	Culture, CSF	CSF	detection and identification of common bacteria	Bact alert D.M	Bacteria species
	Culture, Deep Tracheal Aspirate	Deep Tracheal Aspirate	detection and identification of common bacteria	Bact alert D.M	Bacteria species
	Culture, fluid (Peritoneal, Pleural Synovial, Pericardial)	Peritoneal, Pleural Synovial, Pericardial	detection and identification of common bacteria	Bact alert D.M	Bacteria species
	Speciation of Bacterial Isolates and fungi(candida)	All culture	OD of MOS in McFarland units	Vitek 2 system D.M	Type of bacteria, fungi & measurement sensitivity test
	Stool Occult Blood	Stool	Presence of blood in stool	Hemoglobin peroxidase chromatography	Positive / negative

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	Fecal Parasites Concentration (FPC), Feces	Stool	present parasites	D.E	Parasite identification
	Trichomonas wet smear	Urine	Detection of parasite	D.E D.M	Parasite identification
	GUE	urine	Macroscopic & microscopic	D.E & dipstick	Urine analysis
Clinical hematology testing sector	WBC	Whole Blood EDT	CBC with Sysmex analysis	SYSMEX XN- 350	10 ³ /ul
	NEU	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	%
	LYM	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	%
	MONO	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	%
	ESO	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	%
	BASO	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	%
	RBC	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	%
	HGB	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	g/dl
	HCT	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	%
	MCV	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	fL
	MCH	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	Pg
	MCHC	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	g/dl

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RDW	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	%
PLT	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	10 ³ /ul
MPV	Whole Blood EDTA	CBC with Sysmex analysis	SYSMEX XN- 350	fL
PT	Plasma Citrate	coagulation	Tcoag	Second
PTT	Plasma Citrate	coagulation	Tcoag	Second
Fibrinogen	Plasma Citrate	coagulation	Tcoag	mg/dl
Blood group	Whole Blood EDTA	blood typing	Manual	group
Direct antiglobulin test (DAT)	Whole Blood EDTA	Coombs test	Manual	Positive/ Negative
Indirect antiglobulin test(IAT)	Whole Blood EDTA+ serum	Indirect Coombs test	Manual	Positive/ Negative
Blood cross match	Whole Blood EDTA+ serum	Antiglobulin Cross-match	Manual	Compatible/ Agglutinins and/or hemolysins
cross match by Bio-Rad card	Blood	gel-based cross- match	Gel card centrifuge	Compatible/ Agglutinins and/or hemolysins