

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02</b> <b>Issue Date: 18/08/2020</b> <b>Rev. No: 09</b> <b>LAB 009</b>
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**Accreditation No: ML 009**

**Awarded to**

**Dow Diagnostic Reference and Research Laboratory, Karachi,  
Pakistan.**

The scope of accreditation is in accordance with the standard specifications outlined in the following page(s) of this document. The accredited scope shall be visible and legible in areas such as customer service, sample-receiving section etc and shall not mislead its users.

The accreditation was first time granted on **19-11-2014** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO 15189:2012**.

The accreditation requires regular surveillance, and is valid until **12-02-2024**.

The decision of accreditation made by Pakistan National Accreditation Council implies that the organization has been found to fulfill the requirements for accreditation within the scope.

The organization however, itself is responsible for the results of performed measurements/tests.

**PAKISTAN NATIONAL ACCREDITATION COUNCIL**

27-11-2023  
Date

-Sd-  
Director General

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**Medical Laboratory.**

**Permanent laboratory; DOW DIAGNOSTIC REFERENCE AND RESEARCH  
LABORATORY, DOW UNIVERSITY OF HEALTH SCIENCES,  
KARACHI, PAKISTAN**

**Field of Medical Testing Laboratory: Microbiology, Hematology, Molecular  
Pathology, Chemical Pathology and Histopathology**

Materials /Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method/ Internal method reference
Serum	Microbiology	Rubella IgG	Electrochemiluminescence immunoassay (ECLIA ) / COBAS e601 Ref # 04618793 190
		Rubella IgM	Electrochemiluminescence immunoassay (ECLIA ) / COBAS e601 Ref # 04618831 190
		Toxo IgG	Electrochemiluminescence immunoassay (ECLIA ) / COBAS e601 Ref # 04618815 190
		Toxo IgM	Electrochemiluminescence immunoassay (ECLIA ) / COBAS e601 Ref # 04618858 190
		CMV IgG	Electrochemiluminescence immunoassay (ECLIA ) / COBAS e601 Ref # 07027117119
		CMV IgM	Electrochemiluminescence immunoassay (ECLIA) / COBAS e601

27-11-2023

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Director

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			Ref # 07027133119
		EBV-EBNA 1 IGG	enzyme-linked immunosorbent assay (ELISA) EUROIMMUN/Manual
		EBV-CA IGG	enzyme-linked immunosorbent assay (ELISA) EUROIMMUN/Manual
		HIV Ag/Ab	Electrochemiluminescence immunoassay (ECLIA ) / COBAS e601 International Standard NIBSC Ref# 05390095 190
		Anti-HBc II	Electrochemiluminescence immunoassay (ECLIA ) / COBAS e601 International Standard NIBSC Ref# 07384764 119
Whole Blood	Hematology	WBC	Flowcytometry Optical / Alinity-hq (Ref: 07P7904)  Impedance / Sysmex-XN9000 Ref: ZPPCT661628
		RBC	Flowcytometry Optical / Alinity-hq  Impedance / Sysmex-XN9000 Ref: ZPPCT661628
		Hb	Spectrophotometry / Alinity-hq (Ref: 07P8104)  Calorimetry detection / Sysmex-XN9000 (Ref: BJ350971)
		PCV	Alinity formula: RBC x MCV/ 10  Sysmex formula: Same as above

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Serum & Plasma		MCV	Flowcytometry Optical / Alinity-hq Impedence / Sysmex-XN 9000
		MCH	Alinity formula: Hb/RBCx10 Sysmex formula: Same as above
		MCHC	Alinity formula: Hb/HCT x 100 Sysmex formula: Same as above
		PLT	Flowcytometry Optical / Alinity-hq Impedence / Sysmex-XN9000 Ref: ZPPCT661628
	Chemical Pathology	TSH	Chemiluminescence/ Atellica Immunoassay Thyroid Stimulating Hormone 3-Ultra (TSH3-UL) REF#: 10995704
		GLUCOSE	Photometric/Atellica Chemistry Glucose Hexokinase_3 (Glu H_3) REF# 11097592

27-11-2023

Date

-Sd-

Director