

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Certificate of Accreditation

#### **Vasavi Diagnostic Laboratory**

Murthy Towers, 1<sup>st</sup> Cross Church Street, Thurvanur Road,  
Chitradurga-577501, Karnataka, India

has been assessed and accredited in accordance with the Standard

**ISO 15189:2022**

“Medical Laboratories - Requirements for Quality and Competence”

In the field of

**Medical Testing**

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued compliance to the above standard & any other requirements specified by QAI.



**QAI/CIA/ML/2024/0026**

Valid from: 23 November 2024

Valid until: 22 November 2026

**Dr. Bhupendra Kumar Rana**  
Chief Executive Officer

**Prof. Vikram Kumar**  
Chair, CIA



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Clinical Biochemistry			
Sl. No.	Type of Sample Examined/ Tested	Specific Tests/ Performed Examination	Standard (Method), Principle/ Methodology or Technique Used
1.	Serum/Plasma/Body fluid	Glucose	Hexokinase
2.	Serum/Plasma	Total cholesterol	Enzymatic, Colorimetric
3.	Serum/Plasma	Triglycerides	Enzymatic, Colorimetric
4.	Serum/Plasma	High density lipoprotein (HDL- Cholesterol)	Homogenous Enzymatic Colorimetric
5.	Serum/Plasma	Bilirubin Total	Diazonium Ion, Blanked
6.	Serum/Plasma	Bilirubin Direct	Diazotization
7.	Serum/Plasma	Aspartate aminotransferase, (ASTL) (SGOT)	UV without P5P
8.	Serum/Plasma	Alanine Aminotransferase (ALTL) (SGPT)	UV without P5P
9.	Serum/Plasma	Alakaline phosphate (ALP)	PNPP, AMP Buffer
10.	Serum/Plasma/Body fluid	Total protein	Biuret, Serum blank, End point
11.	Serum/Plasma	Albumin	Bromcresol Green (BCG)
12.	Serum/Plasma	$\gamma$ Glutamyltransferase	G-glutamyl-carboxy-nitroanilide
13.	Serum/Plasma	Creatinine	Alkaline picrate-kinetic, IFFC-IDMS standardized
14.	Serum/Plasma	Urea	Urease, UV
15.	Serum/Plasma	Uric acid	Uricase, Colorimetric
16.	Serum/Plasma	Calcium	BAPTA
17.	Serum/Plasma	Phosphate (inorganic)	Phosphomolybdate
18.	Serum/Plasma	Sodium (Na)	Direct ion selective electrode (ISE)
19.	Serum/Plasma	Potassium (K)	Direct ion selective electrode (ISE)
20.	Serum/Plasma/Body fluid	Chloride (Cl)	Direct ion selective electrode (ISE)
21.	Serum/Plasma	$\alpha$ Amylase	G7 PNP, Blocked
22.	Serum/Plasma	Lactate dehydrogenase (LDH)	Lactate to pyruvate

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[www.qai.org.in](http://www.qai.org.in)



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Clinical Biochemistry			
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23.	Serum/Plasma	Creatinine kinase (CKL)	International Federation of Clinical Chemistry (IFCC)
24.	Serum/Plasma	Rheumatoid factors-II (RF-II)	Immunoturbidimetric assay
25.	Serum/Plasma	Anti-streptolysin-O (ASLO)	Immunoturbidimetric assay
26.	Serum/Plasma	C-reactive protinine (CRP)	Particle enhanced turbidimetric assay
27.	Blood	HBA1C	Turbidimetric inhibition immunoassay (TINIA)
28.	Serum/Plasma	Triiodothyronine (T3)	Electrochemiluminescence immunoassay (ECLIA)
29.	Serum/Plasma	Thyroxine (T4)	Electrochemiluminescence immunoassay (ECLIA)
30.	Serum/Plasma	Thyroid stimulating hormone or Thyrotropin (TSH)	Electrochemiluminescence immunoassay (ECLIA)
31.	Serum/Plasma	Free triiodothyronine (FT3)	Electrochemiluminescence immunoassay (ECLIA)
32.	Serum/Plasma	Free thyroxine (FT4)	Electrochemiluminescence immunoassay (ECLIA)
33.	Serum/Plasma	Follicle stimulating hormone (FSH)	Electrochemiluminescence immunoassay (ECLIA)
34.	Serum/Plasma	Luteinizing hormone (LH)	Electrochemiluminescence immunoassay (ECLIA)
35.	Serum/Plasma	Prolactin (PRL)	Electrochemiluminescence immunoassay (ECLIA)
36.	Serum/Plasma	Vitamin B12	Electrochemiluminescence immunoassay (ECLIA)

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Clinical Pathology			
Sl. No.	Type of Sample Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1.	Urine	Specific gravity	Reflectance photometer
2.	Urine	pH	Reflectance photometer
3.	Urine	Nitrite	Reflectance photometer
4.	Urine	Protein	Reflectance photometer
5.	Urine	Glucose	Reflectance photometer
6.	Urine	Ketone	Reflectance photometer
7.	Urine	Urobilinogen	Reflectance photometer
8.	Urine	Bilirubin	Reflectance photometer
9.	Urine	Erythrocytes	Reflectance photometer
10.	Urine	Colour	Manual
11.	Urine	Microscopy	Pus cells, Epithelial cells, RBC, Cast, Crystals
12.	Urine	Urine pregnancy test	Immunochromatography
13.	Stool	Stool routine	Microscopic examination
14.	Stool	Occult blood	Benzidine method
15.	Semen	Semen analysis	Fructose test by Seliwanoff's and microscopy
16.			Physical
17.	Pleural fluid, ascetic fluid, synovial fluid, pericardial fluid, etc.	Body fluid routine examination	Chemical-protein (Biuret), Glucose (Hexokinase), Chloride (Direct ISE), CSF Protein (Turbidimetric method)
18.			Microscopy



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Cytology			
Sl. No.	Type of Sample Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1.	Exfoliation cytology	PAP	Microscopic examination by PAP stain
2.	Aspirated material	FNAC	Microscopic examination by Giemsa, H & E and PAP stain
3.	Aspirated fluid	Body fluid cytology	Microscopic examination by Giemsa, H & E and PAP stain

Haematology			
Sl. No.	Type of Sample Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1.	Whole blood	White blood cells (WBC) or Total Leukocytes Count (TLC)	Optical detector block based on the flow cytometry method
2.	Whole blood	Red blood cells (RBC)	Hydro dynamic focusing method
3.	Whole blood	Haemoglobin concentration (HGB)	Sulfolyser (SLS) hemoglobin detection method
4.	Whole blood	Hematocrit value (HCT) or Packed cell volume (PCV)	Calculated parameters
5.	Whole blood	Mean corpuscular volume (MCV)	Calculated parameters
6.	Whole blood	Mean corpuscular haemoglobin (MCH)	Calculated parameters
7.	Whole blood	Mean corpuscular haemoglobin concentration (MCHC)	Calculated parameters
8.	Whole blood	Platelet count (PLT)	Hydro dynamic focusing method
9.	Whole blood	Neutrophil count	Optical detector block based on the flow cytometry method

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Haematology			
Sl. No.	Type of Sample Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
10.	Whole blood	Lymphocyte count	Optical detector block based on the flow cytometry method
11.	Whole blood	Eosinophil count	Optical detector block based on the flow cytometry method
12.	Whole blood	Monocyte count	Optical detector block based on the flow cytometry method
13.	Whole blood	Basophil count	Optical detector block based on the flow cytometry method
14.	Whole blood	Erythrocyte sedimentation rate (ESR)	Westergren method
15.	Whole blood	Reticulocyte count (RC)	Microscopy Brilliant cresyl blue stain
16.	Whole blood	Peripheral blood smear study	Microscopy Leishman's stain
17.	Whole blood	Absolute eosinophil count (AEC)	Optical detector block based on the flow cytometry method
18.	Whole blood	Smear for malarial parasite	Thick smear study by JSB stain (Jaswant Singh and Bhattacharjee stain)



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Serology			
Sl. No.	Type of Sample Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1.	Serum	Rapid plasma reagin (RPR) or Venereal disease research laboratory (VDRL)	Flocculation method
2.	Serum	Antibodies to Brucella abortus/melitensis	Slide agglutination method
3.	Serum	Weil-felix test	Tube agglutination method
4.	Serum	Antibodies to Hepatitis C virus (HCV)	Immunochromatography (Rapid)
5.	Serum	Hepatitis B surface antigen (HBsAg)	Immunochromatography (Rapid)

