



**National Accreditation Board for
Testing and Calibration Laboratories**

(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

**CLINICAL BIOCHEMISTRY UNIT, DEPARTMENT
OF NEUROCHEMISTRY, NATIONAL INSTITUTE
OF MENTAL HEALTH AND NEURO SCIENCES**
has been assessed and accredited in accordance with the standard

ISO 15189:2012

"Medical laboratories - Requirements for quality and competence"

for its facilities at

1st Floor, Ashwini Block, NIMHANS, Hosur Road, Bangalore, Karnataka

in the field of

MEDICAL TESTING

Certificate Number MC-2510 (in lieu of M-0621)

Issue Date 19/12/2017

Valid Until 18/12/2019

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

Dr. Vandana Jain
Program Director



89076970300010000210

Anil Relia
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

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SCOPE OF ACCREDITATION

Laboratory Clinical Biochemistry Unit, Department of Neurochemistry,
National Institute of Mental Health and Neuro Sciences,
1st Floor, Ashwini Block, NIMHANS, Hosur Road, Bangalore,
Karnataka

Accreditation Standard ISO 15189: 2012

Certificate Number MC-2510 (in lieu of M-0621)

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Validity 19.12.2017 to 18.12.2019

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method	Range of Testing / Limits of Detection	CV%
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CLINICAL BIOCHEMISTRY

1.	Serum	Angiotensin Converting Enzyme (ACE)	Enzyme Kinetic (FAPGG)	12-150 U/L	8.7
2.	Serum	Albumin	Bromo Cresol Green	1.5-6 g/dL	3.5
3.	Serum	Alkaline Phosphatase	PNPP, AMP buffer, IFCC	5-1500 U/L	5.4
4.	Serum	ALT (SGPT)	UV without P5P	3-500 U/L	5.2
5.	Serum	AST (SGOT)	UV without P5P	3-1000 U/L	4.2
6.	Serum	Calcium	Arsenazo III	4-20 mg/dL	2.2
7.	Serum	Carbamazepine	Enzyme immuno assay (homogenous, EMIT)	0.5-20 µg/mL	8.6
8.	Serum	Chloride	Indirect ISE	50-200 mmol/L	1.6
9.	Serum	CK	UV: NAC Activated	10-2000 U/L	3.9
10.	Serum	Creatinine	Alkaline picrate	0.2-25.0 mg/dL	4.8
11.	Serum	Copper	Colorimetric (3,5-Di-Br-PAESA)	8.8 - 436 µg/dL	8.2
12.	Serum	Folate	Paramagnetic Particle, Chemiluminescence Immuno Assay (CLIA)	1.0 -24 ng/mL	7.4
13.	Serum	GGT	Colorimetric (IFCC) (kinetic) (Gamma Glutamyl carboxy nitroanilide)	5-1200 U/L	2.4
14.	Serum	Glucose	Hexokinase G6P-DH	10-800 mg/dL	2.5
15.	Whole Blood	HbA1c	HPLC	3.8-18.5 %	4.4
16.	Serum	HDL	Direct Measure Immuno-Inhibition	2-180 mg/dL	3.4
17.	Plasma	Lactate	Colorimetric (L-Lactate to Pyruvate)	1.5-178 mg/dL	5.8
18.	Serum	LDH	Lactate to Pyruvate UV	25-1200 U/L	5.0

Ritu Kulshrestha
Convenor

Dr. Vandana Jain
Program Director



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Sl.	Product / Material of Test	Specific Test Performed	Test Method	Range of Testing / Limits of Detection	CV%
19.	Serum	Lithium	Direct ISE	0.02-5.00 mEq/L	5.8
20.	Serum	Osmolality	Freezing Point Depression	10-2000 mOsm/Kg	1.0
21.	Serum	Phenobarbitone	Enzyme Immuno Assay (Homogenous, EMIT)	1.2-80 µg/mL	7.5
22.	Serum	Phenytoin	Enzyme Immuno Assay (Homogenous, EMIT)	0.6-40 µg/ml	7.3
23.	Serum	Phosphorous	Phosphomolybdate	1-20 mg/dL	2.4
24.	Serum	Potassium	Indirect ISE	1-10 mmol/L	2.4
25.	Serum	Sodium	Indirect ISE	50-200 mmol/L	2.1
26.	Serum	T3	Paramagnetic Particle, Chemiluminescence Immuno Assay (CLIA)	40-600 ng/dL	8.6
27.	Serum	T4	Paramagnetic Particle, Chemiluminescence Immuno Assay (CLIA)	1-24 µg/dL	9.5
28.	Serum	Total Bilirubin	Colorimetric (DPD)	0.1-30 mg/dL	4.6
29.	Serum	Total Cholesterol	Cholesterol Oxidase/ Peroxidase	20-700 mg/dL	2.5
30.	Serum	Total Protein	Biuret (End Point)	3-12 g/dL	2.7
31.	Serum	Triglycerides	Enzymatic Endpoint, Lipase/ Glycerol Kinase	10-1000 mg/dL	2.6
32.	Serum	TSH	Paramagnetic Particle, Chemiluminescence Immuno Assay (CLIA)	0.004-75 µIU/mL	7.1
33.	Serum	Urea	Urease (Kinetic)	5-300 mg/dL	3.8
34.	Serum	Uric Acid	Uricase/Peroxidase, Colorimetric	1.5-30 mg/dL	1.9
35.	Serum	Valproate	Enzyme Immuno Assay (Homogenous, EMIT)	3.0-150 µg/mL	5.6
36.	Serum	Vitamin B12	Paramagnetic Particle, Chemiluminescence Immuno Assay (CLIA)	50-1500 pg/mL	10.0

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