

CLINICAL BIOCHEMISTRY LABORATORY



Abbott Architect ci 8200 Auto analyzer



**Abbott Architect ci 8200 Auto analyzer
(newly installed)**



Clinical Biochemistry Laboratory is centrally situated on the first floor below blood bank. The overall In Charge of the Central Clinical Laboratory is Professor and Head of Department of Pathology, Dr. Roque Wiseman Pinto and the Biochemistry section of the Laboratory is under supervisory control of Professor and Head of Department of Biochemistry. One Consultant is on duty by rotation every 6 Months for day today functioning. Presently Dr. Michelle C.V. Menezes, Assistant Lecturer is posted in the Laboratory.

New Autoanalyzer Abbott Architect ci 8200 Auto analyzer (Biochemistry+Immunochemistry) has been installed on 19th February 2018.

Laboratory is under renovation as per NABL/ISO 15189 standards.

Laboratory services are available 24 hours.

Investigative equipment available

i) Working Centrifuge - 4 (Four)

ii) Oven -1 (one)

iii) Water bath - 3 (Three)

iv) Abbott Architect ci 8200 Auto analyzer (Biochemistry+Immunochemistry) – 2(two)

v]Spectrophotometer

vi] Semi Auto analyzer

Quality Control:- Daily internal quality control and monthly participation in External Quality Assurance Scheme (EQAS) by CMC Vellore

Following Investigations are routinely done

Sr.No	Investigation	Sr.No	Investigation	Sr.No	Investigation
1	Plasma Glucose	21	Serum HDL	41	Serum T ₃
2	Serum Urea	22	Serum LDL	42	Serum T ₄
3	Serum Creatinine	23	Serum VLDL	43	Serum TSH
4	Serum Sodium	24	Serum Amylase	44	Serum free T ₃
5	Serum Potassium	25	Serum Magnesium	45	Serum free T ₄
6	Serum Chloride	26	Prothrombin Time	46	Serum C _{A125}
7	Serum Calcium	27	HbA _{1C}	47	Serum Total PSA
8	Serum Phosphorus	28	CSF analysis	48	Plasma Fibrinogen
9	Serum Uric acid	29	Ascitic fluid analysis	49	Serum AFP
10	Serum Iron	30	Pleural fluid analysis	50	Serum LDH
11	Serum Total Bilirubin	31	Synovial fluid analysis	51	Serum β- HCG
12	Serum Direct Bilirubin	32	Urinary Proteins	52	Serum FSH
13	Serum SGOT	33	Urinary Calcium	53	Serum LH
14	Serum SGPT	34	Urinary Creatinine	54	Serum Prolactin
15	Serum Alkaline Phosphatase	35	Urinary Phosphorus	55	Urinary Stone analysis
16	Serum Total Protein	36	Urinary Amylase	56	Serum GGT
17	Serum Albumin	37	Urinary Uric acid	57	Serum electrophoresis
18	Serum Globulin	38	Urinary electrolytes	58	CK-MB mass
19	Serum Total Cholesterol	39	Urinary Urea	59	Troponin I
20	Serum Triglycerides	40	Bence Jones Proteins	60	ADA

Laboratory Investigations for the year 2016, 2017 & 2018

Month	Jan 2016	Feb 2016	March 2016	April 2016	May 2016	June 2016
General Biochemistry	109377	119166	120206	113289	115798	109957
Immunochemistry	6290	7892	7475	8217	8524	5712
Total	115667	127058	127681	121506	124322	115669

Month	July 2016	Aug 2016	Sept 2016	Oct 2016	Nov 2016	Dec 2016
General Biochemistry	113527	128189	119126	118085	114778	114138
Immunochemistry	6748	8420	7779	9991	9062	9668
Total	120275	136609	126905	128076	123840	123806

Month	Jan 2017	Feb 2017	March 2017	April 2017	May 2017	June 2017
General Biochemistry	103168	115844	123042	117020	109334	109227
Immunochemistry	2073	0	0	0	0	0
Total	105241	115844	123042	117020	109334	109227

Month	July 2017	Aug 2017	Sept 2017	Oct 2017	Nov 2017	Dec 2017
General Biochemistry	133575	132985	132903	129536	135798	123391
Immunochemistry	5944	6527	6098	7348	6850	7136
Total	139519	139512	139001	136884	142648	130527

Month	Jan 2018	Feb 2018	March 2018	April 2018	May 2018	June 2018
General Biochemistry	129376	121273	127022	124970	133293	
Immunochemistry	7058	7110	7007	6297	7864	
Total	136434	128383	134029	131267	141157	