



**SRI NATHIELLA SAMPATHU CHETTY CLINICAL  
LABORATORY**  
(UNIT OF MEDICAL RESEARCH FOUNDATION)

**SNSC/CM/ 12B.1**

**Test Master List-1**

**CLINICAL BIOCHEMISTRY TESTS – TEST MASTER LIST**

S. No	Lab/ Ref/ code	Name of the Test	Specimen Required Blood - Volume	Anti Coagulants (vacutainer)	Reportable interval (TAT)	Storage of examined specimen / Temp.	Information to the patients
1.	102	Plasma Glucose F/R/PP	2 ml + Urine to be collected	Sodium Fluoride + Na <sub>2</sub> EDTA	1 hour	24 hours / 2-8°C	F- Fasting- without food. R- Random-(any time) PP- Postprandial Blood should be collected after food. Should not exceed 2 hours time.
2.	103	Oral Glucose Tolerance test (OGTT)	2 ml + Urine to be collected	Sodium Fluoride + Na <sub>2</sub> EDTA	3/4 hours	24 hours / 2-8°C	First blood should be collected in fasting condition. 2 <sup>nd</sup> sample -1 hour after glucose 3 <sup>rd</sup> sample- 2hrs after glucose taken. ( Only three samples)
3.	104	Gestational Diabetes Mellitus (GDM)	2ml + Urine to be collected.	Sodium Fluoride + Na <sub>2</sub> EDTA	4 hours	24 hours / 2-8°C	First blood should be collected in fasting condition. 2 <sup>nd</sup> sample -1 hour after glucose 3 <sup>rd</sup> sample- 2hrs after glucose taken.

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Head of the department

Approved by:

Management Representative



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							4 <sup>th</sup> samples- 3 hrs after glucose. ( Only Four samples)
4.	105	Plasma Urea/Creatinine	4 ml	Heparin	2 hours	24 hours /- 2-84°C	--
5.	106	Serum Cholesterol	4 ml	Plain/heparin	2 hours	24 hours / 2-8°C	--
6.	820	Serum Uric acid	4 ml	plain	24 hours	24 hours / 2-8°C	The test is out sourced.
7.	108	Plasma Sodium and Potassium	4 ml	Heparin	One hour	24 hours / 2-8°C	--
8.	109	Plasma Sodium, Potasium, Chloride and Bicarbonate	4 ml	Heparin	One hour	24 hours / 2-8°C	--
9.	110	Serum Calcium and Phosphorus	4 ml	Plain	3 hours	24 hours / 2-8°C	--
10.	845	Serum Iron and Iron Binding Capacity	4 ml	Plain	24 hours	24 hours / 2-8°C	Should not take iron medication for 3 days. The test is out sourced.
11.	113	Serum LFT	4 ml	Plain	3 hours	24 hours / 2-8°C	--
12.	114	Serum Bilirubin (Total/Direct)	4 ml	plain	3 hours	24 hours /- 2-8°C	--

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13.	115	Serum Total Protein and albumin	4 ml	Plain	3 hours	24 hours / 2-8°C	--
14.	116	Serum Alkaline Phosphatase	4 ml	Plain	3 hours	24 hours / 2-8°C	--
15.	117	Alanine amino transferase	4 ml	Plain	3 hours	24 hours / 2-8°C	--
16.	118	Aspartate amino transferase	4 ml	Plain	3 hours	24 hours / 2-8°C	--
17.	123	<b><u>Lipid profile</u></b> Total Cholesterol HDL cholesterol Triacylglycerol	4 ml	Plain	3 hours	24 hours / 2-8°C	Blood should be collected in fasting condition
18.	124	Plasma Triacyl Glycerol (TGL)	4 ml	Plain	3 hours	24 hours / 2-8°C	Blood should be collected in fasting condition
19.	126	Angiotensin converting enzyme (ACE)	4 ml	Plain	24 hours	24 hours / -20 °C	For the FFA undergone patients blood should be collected after 24 hours.
20.	127	Urine Inborn errors of metabolism	50ml urine	Urine container	8 hours	Discarded on the same day	Provide 3 urine containers with pinch of sodium azide. 1 for fasting and 2 for Random

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21.	128	CSF– sugar, protein and chloride	CSF-1.0ml	---	8 hours	24 hours/ 2-8 °C	Should be received as early as possible. (Same day)
22.	122	Urine- Homocystinuria screening	50ml urine	Urine container	8 hours	Discarded on the same day.	Urine containers should be provided with pinch of sodium azide. Sample should be collected in fasting condition.
23.	151	HbA1c	2 ml	EDTA	Same day	24 hours /4°C	Blood to be collected in fasting / Random condition
24.	152	Micro albumin	25ml urine (Sterile urine container)	Urine container.	Same day	24 hours /4°C	Urine to be collected in fasting condition./ Random condition

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