

BIOCHEMICAL TESTS

BIOCHEMICAL TEST	SAMPLE REQUIRMENT	APPROX. TURNAROUND TIME	COST(RS.)
Maternal serum screen (1 st trimester) a)PAPP A b)Human Chorionic Gonadotropin (Free β - hCG)	5 mL blood in plain vial	7-10 days	500/-
Maternal serum screen (2nd trimester) a)Alpha fetoprotein (MS-AFP) b)Human Chorionic Gonadotropin (Free β - hCG) c)Unconjugated Estriol	5 mL blood in plain vial	7-10 days	500/-
Metabolic Tests on Urine			
Urine Aminoacidogram (UAAG)	5 mL urine(morning sample)	10 days	200/-
Ferric chloride test	5 mL urine(morning sample)	3-7days	80/-

DNPH test	5 mL urine(morning sample)	3-7days	80/-
Reducing Substances Benedict test/Diastix test	5 mL urine(morning sample)	1-7days	N/A
Mucopolysaccharidoses	5 mL urine (Random Sample)	3-7 days	80/-
Toludine blue spot test on urine GAGS Quantification	5 mL urine (Random Sample)	7 days	80/-
Homocystinuria a)Sodium nitroprusside test b)Silver nitroprusside test	5 mL urine (Random Sample)	7 days	80/-
Alkaptonuria	5 mL urine(morning sample)	7 days	80/-
Porphyria	5 mL urine Fresh Sample (Protected from light) – prior appointment from lab	24hrs	80/-
Oligosaccharide analysis	5 mL urine(morning sample)	7 days	80/-
Metabolic Tests on Blood			

BIOCHEMICAL TEST	SAMPLE REQUIRMENT	APPROX. TURNAROUND TIME	COST (RS.)
Blood Ammonia	2 ml EDTA – fasting	24 hrs	125/-
ENZYME ASSAYS IN BLOOD/PND BY Cord Blood			
BIOCHEMICAL TEST	SAMPLE REQUIRMENT	APPROX. TURNAROUND TIME	COST (RS.)
1. Galactosemia Galactose-1-Phosphate- Uridyl Transferase	2 ml blood in Heparin vial	1 wk – 10 days	500/-
2. MPS I (Hurler) α-L-Iduronidase	7-8 ml blood in EDTA vial	15 Days	1000/-
3. MPS-II (Hunter) Iduronate-2- Sulphate-Sulphatse	7-8 ml blood in EDTA vial	15 Days	500/-
4. MPS-IVA Galctose-6-sulphatse- sulphatase	7-8 ml blood in EDTA vial	15 Days	500/-
5. MPS-IVB β-Galactosidase	7-8 ml blood in EDTA vial	15 Days	500/-
6. MPS-VI Arylsulphatsae-B	7-8 ml blood in EDTA vial	15 Days	500/-
7. MPS-VII β-Glucuronidase	7-8 ml blood in EDTA vial	15 Days	500/-

8. MLD Arylsulphatase-A	7-8 ml blood in EDTA vial	15 Days	500/-
9. Tay Sach's Hexosaminidase-A(GM-2)	7-8 ml blood in EDTA vial	15 Days	500/-
10. GM-1 β-Galactosidase	7-8 ml blood in EDTA vial	15 Days	500/-
11. Gaucher's Disease β-Glucosidase	7-8 ml blood in EDTA vial	15 Days	500/-
11. Neimannpick Disease Sphingomyelinase	7-8 ml blood in EDTA vial	15 Days	500/-
12. Krabbe's Galactocerebrosidase	7-8 ml blood in EDTA vial	15 Days	500/-
13. INCL Palmitoyl-protein-thioesterase	7-8 ml blood in EDTA vial	15 Days	500/-
14. Mucopolipidosis Plasma ASA Plasma Hex-A	7-8 ml blood in EDTA vial	15 Days	500/-
15. Chitotriosidase	7-8 ml blood in EDTA vial	15 Days	500/-
16. Biotinidase	7-8 ml blood in EDTA vial AND dried blood spot	15 Days	500/-

ENZYME ASSAYS - PND ON Chorionic Villi SAMPLE

BIOCHEMICAL TEST	SAMPLE REQUIRMENT	APPROX. TURNAROUND TIME	COST (RS.)
1. MPS-II (Hunter) Iduronate-2- Sulphate-Sulphatse	12-15 mg CV tissue	7-10 days	500/-
2. MPS-IVA Galctose-6-sulphatse- sulphatase	12-15 mg CVtissue	7-10 days	500/-
3. MPS-IVB β-Galactosidase	12-15 mg CVtissue	7-10 days	500/-
4. MPS-VII β-Glucuronidase	12-15 mg CVtissue	7-10 days	500/-
5. MLD Arylsulphatase- A	12-15 mg CV tissue	7-10 days	500/-
6. Tay Sach's Hexosaminidase-A(GM-2)	12-15 mg CV tissue	7-10 days	500/-
7. GM-1 β-Galactosidase	12-15 mg CV tissue	7-10 days	500/-
8. Neimannpick Disease Sphingomyelinase	12-15 mg CV tissue	7-10 days	500/-
9. Krabbe's Galactocerebrosidase	12-15 mg CV tissue	7-10 days	500/-
10. Gaucher's Disease β-Glucosidase	12-15 mg CV tissue	7-10 days	500/

