Name	: **Baby DUMMY-1**			**Collected**	: **8/9/2016 6:46:00PM**
				Received	: **8/9/2016 7:06:45PM**
Lab No.	: **106120073**	**Age: 5 Years**	**Gender: Female**	**Reported**	: **27/10/2016 12:40:00PM**
A/c Status	: **P**	**Ref By : SELF**		**Report Status**	: **Final**

Test Name	Results	Units	Bio. Ref. Interval

2. False positive results are seen in patients administered amino acid & carnitine supplements.
3. Results should be clinically correlated. Any infant with clinical features suggestive of Inborn Errors of Metabolism must be investigated regardless of the result.
4. Test conducted on heel / finger prick blood.
5. Genetic counseling available with prior appointment at National Reference Laboratory, New Delhi.

Disorders Tested by Tandem Mass Spectrometry

• Urea Cycle Disorders	• Multiple CoA Carboxylase deficiency
• Homocystinuria	• Mitochondrial Acetoacetyl CoA Thiolase (Ketothiolase) deficiency
• Hypermethioninemia	• Methylmalonic Acidemia
• Non-ketotic hyperglycinemia	• Methylmalonic acidemia with homocystinuria
• Hyperornithinemia -Hyperammonemia- Homocitrullinuria (HHH)	• Propionic Acidemia
• Maple Syrup Urine Disease (MSUD)	• Short chain acyl CoA Dehydrogenase deficiency (SCAD)
• Hypervalinemia	• Medium chain acyl CoA Dehydrogenase deficiency (MCAD)
• PKU/ Hyperphenylalaninemia	• Mitochondrial Trifunctional protein deficiency
• Tyrosinemia	• Longchain 3-Hydroxy acyl CoA Dehydrogenase deficiency (LCHAD)
• Cobalmin defect	• Very long Chain Acyl CoA dehydrogenase deficiency (VLCAD)
• Lactic acidosis	• Carnitine Transport Defect
• Glutaric acidemia type 1	• Carnitine Palmitoyl Transferase Deficiency type 1 (CPT 1)
• Isovaleric Acidemia	• Carnitine Palmitoyl Transferase Deficiency type 2 (CPT 2)
• 3-Methyl Crotonyl CoA carboxylase deficiency (3MCC)	• Glutaric Acidemia Type 2
• 3-Methylglutaconyl CoA hydratase deficiency (3MGA)	• Carnitine Acylcarnitine Translocase Deficiency
• 2-Methyl 3 Hydroxybutyryl CoA Dehydrogenase Deficiency (2MBDH)	
• 2-Methylbutryl CoA Dehydrogenase Deficiency (2MBCD)	
• 2,4 Dienyl CoA Reductase Deficiency	
• 3 Hydroxy 3 Methylglutaryl CoA Lyase Deficiency (HMG)	

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----------End of report ----------

Name	: **Master DUMMY-1**			**Collected**	: **8/9/2016 6:17:00PM**
				Received	: **8/9/2016 6:36:42PM**
Lab No.	: **106120058**	**Age: 5 Years**	**Gender: Male**	**Reported**	: **26/9/2016 6:27:56PM**
A/c Status	: **P**	**Ref By : SELF**		**Report Status**	: **Final**

Test Name	Results	Units	Bio. Ref. Interval

3. Results should be clinically correlated. Any infant with clinical features suggestive of Inborn Errors of Metabolism must be investigated regardless of the result.
4. Test conducted on heel / finger prick blood.
5. Genetic counseling available with prior appointment at National Reference Laboratory, New Delhi.

Disorders Tested by Tandem Mass Spectrometry

• Urea Cycle Disorders	• Multiple CoA Carboxylase deficiency
• Homocystinuria	• Mitochondrial Acetoacetyl CoA Thiolase (Ketothiolase) deficiency
• Hypermethioninemia	• Methylmalonic Acidemia
• Non-ketotic hyperglycinemia	• Methylmalonic acidemia with homocystinuria
• Hyperornithinemia -Hyperammonemia-Homocitrullinuria (HHH)	• Propionic Acidemia
• Maple Syrup Urine Disease (MSUD)	• Short chain acyl CoA Dehydrogenase deficiency (SCAD)
• Hypervalinemia	• Medium chain acyl CoA Dehydrogenase deficiency (MCAD)
• PKU/ Hyperphenylalaninemia	• Mitochondrial Trifunctional protein deficiency
• Tyrosinemia	• Longchain 3-Hydroxy acyl CoA Dehydrogenase deficiency (LCHAD)
• Cobalmin defect	• Very long Chain Acyl CoA dehydrogenase deficiency (VLCAD)
• Lactic acidosis	• Carnitine Transport Defect
• Glutaric acidemia type 1	• Carnitine Palmitoyl Transferase Deficiency type 1 (CPT 1)
• Isovaleric Acidemia	• Carnitine Palmitoyl Transferase Deficiency type 2 (CPT 2)
• 3-Methyl Crotonyl CoA carboxylase deficiency (3MCC)	• Glutaric Acidemia Type 2
• 3-Methylglutaconyl CoA hydratase deficiency (3MGA)	• Carnitine Acylcarnitine Translocase Deficiency
• 2-Methyl 3 Hydroxybutyryl CoA Dehydrogenase Deficiency (2MBDH)	
• 2-Methylbutryl CoA Dehydrogenase Deficiency (2MBCD)	
• 2,4 Dienyl CoA Reductase Deficiency	
• 3 Hydroxy 3 Methylglutaryl CoA Lyase Deficiency (HMG)	

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----------End of report ----------