MAX Lab

Laboratory Investigation Report

Patient Name	Centre
Age/Gender	OP/IP No/UHID
MaxID/Lab ID	Collection Date/Time
Ref Doctor	Reporting Date/Time

SIN No:SP0540962

Clinical Biochemistry

Test Name	Result	Unit	Bio Ref Interval
Uric Acid Random Urine			
Uric Acid Uricase, Colorimetric	18.06	mg/dL	

Ref Range Male <40 Yrs 9 - 63
>=40 Yrs 6 - 114
Female < 40 Yrs 6 - 71
>= 40 Yrs 4 - 93

Kindly correlate with clinical findings

***** End Of Report *****

Dr. Poonam. S. Das, M.D.
Principal Director-
Max Lab & Blood Bank Services

Dr. Dilip Kumar M.D.
Associate Director &
Manager Quality

Dr. Nitin Dayal, M.D.
Principal Consultant & Head,
Haematopathology

Test Performed at :910 - Max Hospital - Saket M S S H, Press Enclave Road, Mandir Marg, Saket, New Delhi, Delhi 110017
Booking Centre :1104 - Max Smart- M S S S H, ,
The authenticity of the report can be verified by scanning the Q R Code on top of the page

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Max Super Speciality Hospital, Saket (West Block), 1, Press Enclave Road, Saket, New Delhi - 110 017, Phone: +91-11-6611 5050
(CIN No.: U85100DL2021PLC381826)
Helpline No. 7982 100 200 www.maxlab.co.in feedback@maxlab.co.in

MC-2714

NAME :	**Age :**
PATIENT ID :	**ACCESSION NO :**
COLLECTED ON :	**REPORTED ON :**
REFERRED BY :	

METABOLIC SCREENING, URINE

METABOLIC PROFILE

Amino Acidopathies	All related analytes within acceptable limits
Fatty Acid Metabolism Disorders	All related analytes within acceptable limits
Organic Acidurias	All related analytes within acceptable limits
Carbohydrate Metabolism Disorders	All related analytes within acceptable limits
TCA Cycle / Mitochondrial Dysfunction	All related analytes within acceptable limits
Purine / Pyrimidine Metabolism Disorders	All related analytes within acceptable limits
Peroxisomal Disorders	All related analytes within acceptable limits
Neurotransmitter Metabolism Disorders	All related analytes within acceptable limits

Method : Gas Chromatography Mass Spectrometry

Clinical History

Nil

Analytical Interpretation and Recommendation

The levels of all analytes tested are within acceptable limits. Hence, Screen Negative for tested disorders.
No congenital metabolic abnormality was found in the excretion of amino Acids, organic Acids, fatty Acids, sugars, sugar Acids, sugar alcohols, nucleic Acids and nucleic Acid bases when screened for the target metabolic marker compounds.

Please correlate the report with other clinical and therapeutic history as well as other laboratory diagnostic findings.

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Test Information

This GC/MS analysis of urine allows simultaneous detection and quantitation of 135 metabolic disorders.

In metabolic disorders, deficiency of specific enzymes causes disruption of metabolic pathways leading to accumulation of abnormal metabolites in body. In order to maintain physiological homeostasis, body rapidly excretes these excess abnormal metabolites in urine. Hence these metabolites are detected in urine much earlier than the actual rise in their blood level. GC/MS method detects these abnormal metabolites in urine thus making presymptomatic detection of a metabolic disorder possible.

These urinary metabolites act as specific and precise biomarkers for identification of congenital metabolic disorder as well as mild nutritional deficiencies.

Disclaimer

Metabolic Screening process assists in the detection of metabolic disorders. However, due to various factors such as age, health status and treatment at the time of specimen collection, genetic variability, prematurity, quality of specimen etc, the screen may not detect the presence or absence of potentially detectable disorder

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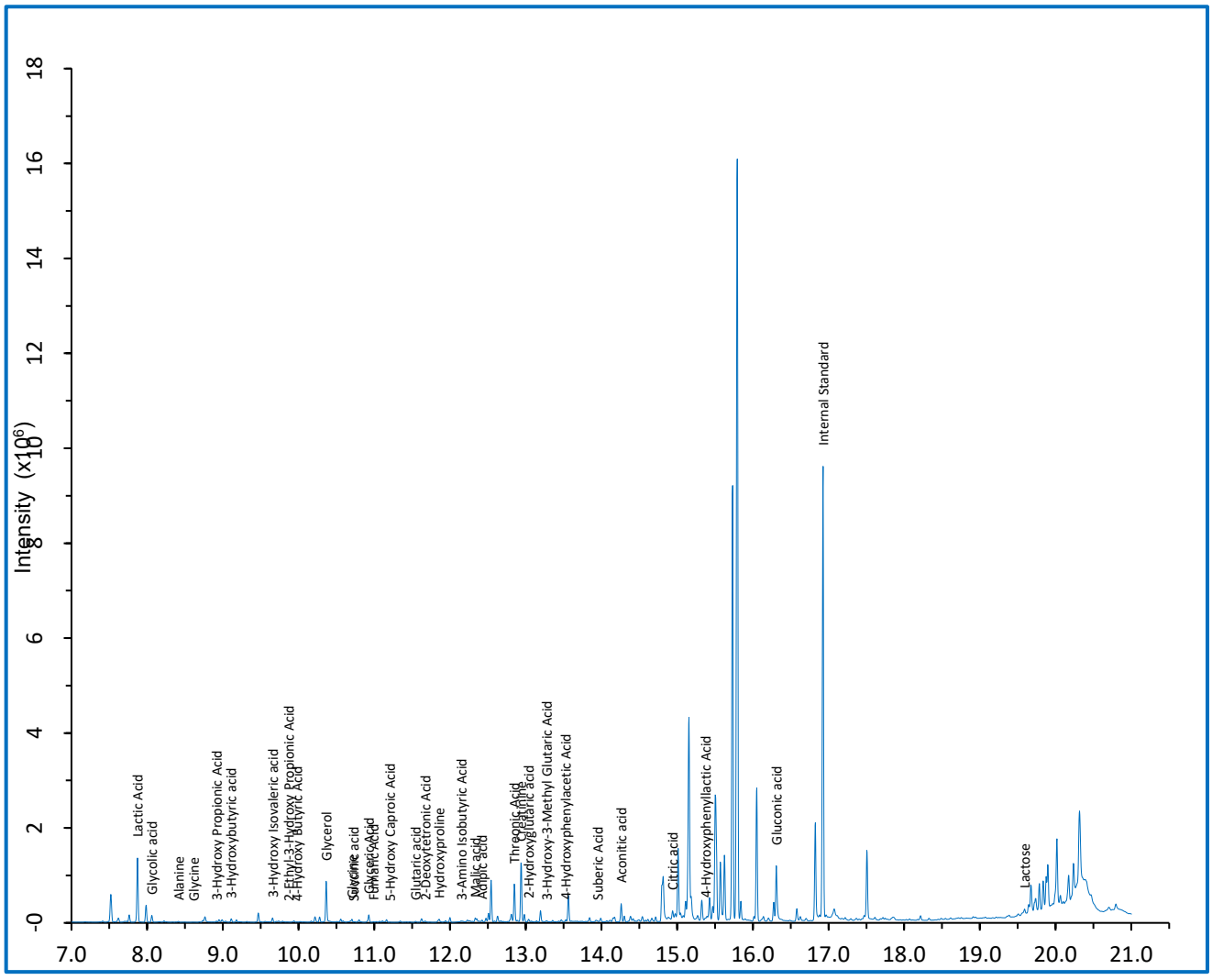

Metabolic Profile by GC/MS - Total Ion Chromatogram of Urinary Metabolomes

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NAME :		Age : 03 Years	
PATIENT ID :			ACCESSION NO
COLLECTED ON :		:25	REPORTED ON
REFERRED BY :			

DETAILED REPORT OF ANALYTES TESTED FOR METABOLIC DISORDERS

DISORDERS OF AMINO ACID & FATTY ACID METABOLISM AND ORGANIC ACIDURIAS

Analyte	Result	BRI µmol/mmol Creatinine
2- Amino Adipic Acid	0.65	0 - 4.3
2- Ethyl 3-Hydroxy Propionic Acid	1.2	0 - 19.9
2- Hydroxy Butyric Acid	0	0 - 7.3
2- Hydroxy Isobutyric Acid	4.42	2.9 - 19.5
2- Hydroxy Isovaleric Acid	0	0 - 11.9
2- Hydroxy Sebasic Acid	0	0 - 0.67
2- Keto Isocapric Acid	0	0 - 7
2- Methyl Acetoacetic Acid	0	0 - 2
2- Oxoadipic Acid	0	0 - 5
3- Amino Isobutyric Acid	2.04	1.4 - 6.2
3- Hydroxy Adipic Acid	0	0 - 5
3- Hydroxy Dodecanedioic Acid	1.5	0 - 10
3- Hydroxy Hexanedioic Acid	0	0 - 11
3- Hydroxy Isovaleric Acid	3.77	3.1 - 23.1
3- Hydroxy Phenyl 3- Propionic Acid	0.14	0 - 0.5
3- Hydroxy Phenylhydracrylic Acid	1.9	0 - 31
3- Hydroxy Sebasic Acid	0.79	0 - 9.1
3- Hydroxy Valeric Acid	0	0 - 1.4
3- Methyl 2-Hydroxy Valeric Acid	0	0 - 5
3- Methyl Glutaconic Acid	0	0 - 19
4- Deoxy Tetronic Acid	2.1	0 - 8
4- Hydroxy Benzoic Acid	2.12	0 - 16
4- Hydroxy Cyclohexylacetic acid	0	0 - 3

Analyte	Result	BRI µmol/mmol Creatinine
2- Deoxy Tetronic Acid	7.7	4.8 - 22.4
2- Hydroxy Adipic Acid	0	0 - 2.8
2- Hydroxy Glutaric Acid	6.4	4 - 35
2- Hydroxy Isocapric Acid	0	0 - 5
2- Hydroxy Phenyl Acetic Acid	0	0 - 20
2- Keto Glutaric Acid	21.8	0 - 117
2- Methyl 3-Hydroxy Butyric Acid	0	0 - 7
2- Methyl Glutaric Acid	0	0 - 2.6
2,5 Furandicarboxylic Acid	0.39	0 - 11
3- Deoxy Tetronic Acid	6.5	1.9 - 15.2
3- Hydroxy Butyric Acid	0.94	0 - 11.1
3- Hydroxy Glutaric Acid	0	0 - 4.6
3- Hydroxy Isobutyric Acid	0	0 - 137
3- Hydroxy Methyl Glutaric Acid	2.12	0 - 12
3- Hydroxy Phenyl Acetic Acid	0	0 - 11
3- Hydroxy Propionic Acid	0	0 - 36
3- Hydroxy Suberic Acid	0.95	0 - 5.6
3- Methoxy Benzene Propionic Acid	0	0 - 11.9
3- Methyl Crotonyl Glycine	0	0 - 10
3- Methyl Glutaric Acid	0	0 - 3
4- Hydroxy 3- Methyl Benzoic Acid	2.61	0 - 28.6
4- Hydroxy Butyric Acid	0.65	0 - 10
4- Hydroxy Phenyl Acetic Acid	23.8	3.2 - 180.2

Low Normal Borderline High

BRI - Biological Reference Interval

MAX Lab

NAME : BABY SANGHAVI SINGH | Age : 03 Yea
PATIENT ID : - | ACCESSI
COLLECTED ON : 2 | REPORT
REFERRED BY : S

DETAILED REPORT OF ANALYTES TESTED FOR METABOLIC DISORDERS

DISORDERS OF AMINO ACID & FATTY ACID METABOLISM AND ORGANIC ACIDURIAS

Analyte	Result	BRI µmol/mmol Creatinine
4- Hydroxy Phenyl Lactic Acid	1.1	0 - 8.7
4- Hydroxy Proline	11.54	0 - 135
5-Hydroxy Indole Acetic Acid	0	0 - 11.5
7- Hydroxy Octanoic Acid	0	0 - 2
8- Hydroxy Octanoyl Glycine	0	0 - 0.2
Acetyl Glycine	0	0 - 1
Alanine	6.82	6.7 - 17.9
Aspargine	0.22	0 - 1.6
Azelic Acid	0	0 - 46.7
Beta Alanine	0	0 - 0.96
Cis-Aconitic Acid	27.4	14.7 - 93
Citric Acid	65.2	33.2 - 652
Cysteine	1.85	0 - 45.4
Decanoyl Glycine	0	0 - 1
Docosanoic acid	0	0 - 1
Dodecendioic Acid	0	0 - 0.05
Eicosadecenoic Acid	0	0 - 1
Ethyl Hydracrylic Acid	0.29	0 - 13.3
Formiminoglutamic Acid	0.2	0 - 1.61
Glutaconic Acid	0	0 - 0
Glutamine	73.8	69 - 127
Glyceric Acid	4.9	0 - 37.3
Glycolic Acid	14.7	0 - 198

Analyte	Result	BRI µmol/mmol Creatinine
4- Hydroxy Phenyl Pyruvic Acid	0	0 - 0.4
5- Hydroxy Caproic Acid	0.49	0 - 1.9
5- Hydroxy Methyl Furanoic Acid	0	0 - 44
7- Hydroxy Octanoyl Glycine	0	0 - 0.2
Acetoacetic Acid	0	0 - 5.8
Adipic Acid	1.7	0 - 35
Argininosuccinic Acid	0	0 - 0.1
Aspartic Acid	0.37	0 - 2.46
Benzene dicarboxylic Acid	9.2	0 - 109
Butyryl Glycine	0	0 - 2
Citramalic Acid	1.4	0 - 11.2
Cystathionine	0	0 - 1
Decanoic Acid	0	0 - 1
Dimethylglycine	0	0 - 1
Dodecanoic Acid	0	0 - 0.05
Eicosadecanoic Acid	0	0 - 1
Ethanolamine	9.52	0 - 165
Ethyl Malonic Acid	0	0 - 14.6
Furoic Acid	3.4	0 - 28
Glutamic Acid	17.1	0 - 21
Glutaric Acid	0.48	0 - 5.3
Glycine	198	184 - 508
Glycoxylic Acid	0	0 - 15.9

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NAME :		Age : 03 Years	
PATIENT ID :			ACCESSION NO
COLLECTED ON :		3:25	REPORTED ON
REFERRED BY :			

DETAILED REPORT OF ANALYTES TESTED FOR METABOLIC DISORDERS

DISORDERS OF AMINO ACID & FATTY ACID METABOLISM AND ORGANIC ACIDURIAS

Analyte	Result	BRI µmol/mmol Creatinine
Hawkinsin	0	0 - 0.1
Hexanoic Acid	0	0 - 2.3
Hippuric Acid	14.8	0 - 145
Homocysteine	0	0 - 4.19
Homoserine	0	0 - 0.66
Indole Acetic acid	0	0 - 3.4
Isocitric Acid	10.4	0 - 141
Isovalerylglycine	0	0 - 10
Lactic Acid	83.1	5 - 118
Linoleinic Acid	0	0 - 1.27
Malonic Acid	0	0 - 28.8
Methionine	0.84	0 - 2.4
Methyl Citric Acid	0	0 - 8.5
Methyl Malic Acid	0	0 - 0.2
Methyl Succinic Acid	0	0 - 6
Mevalonolactone	0	0 - 0
N- Acetyl Aspartic Acid	7.6	6 - 40.8
N-Acetyl Proline	0	0 - 2
Nonadecanoic acid	0	0 - 1
Octanoic Acid	0	0 - 7.7
Oleic Acid	0	0 - 0.4
Orotic Acid	0	0 - 4.3
p-Cresol	0	0 - 11

Analyte	Result	BRI µmol/mmol Creatinine
Hexadecanoic (Palmitic) Acid	0.3	0.1 - 8.2
Hexanoyl Glycine	0	0 - 2.9
Histidine	46.4	0 - 339
Homogentisic Acid	0	0 - 0
Hydroxylysine	0	0 - 0.97
Isobutyrylglycine	0	0 - 2.9
Isoleucine	2.11	0 - 16.6
Kynurenic Acid	0	0 - 16.508
Leucine	3.22	2 - 24
Lysine	5.4	0 - 81.2
Mandelic Acid	0	0 - 64
Methyl Adipic Acid	0	0 - 5
Methyl Fumaric Acid	0	0 - 0.2
Methyl Malonic Acid	0	0 - 6
Mevalonic Acid	0	0 - 0.3
N-Acetyl Alanine	0	0 - 1
N-Acetyl Glycine	0	0 - 3.4
N- Acetyl Tyrosine	0	0 - 10
Nonanoic acid	0	0 - 1
Octenedioic Acid	0	0 - 2.8
Ornithine	0	0 - 11.8
Oxalic Acid	0	0 - 19
Pentadecanoic acid	0	0 - 1

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NAME :		Age :	03 Years
PATIENT ID :			ACCESSION NO
COLLECTED ON :		8:25	REPORTED ON
REFERRED BY :			

DETAILED REPORT OF ANALYTES TESTED FOR METABOLIC DISORDERS

DISORDERS OF AMINO ACID & FATTY ACID METABOLISM AND ORGANIC ACIDURIAS

Analyte	Result	BRI µmol/mmol Creatinine
Phenol	4.2	0 - 53
Phenyl Alanine	20.4	0 - 71.6
Phenyl Pyruvic Acid	0	0 - 2
Pipecolic Acid	0	0 - 0.24
Propionic Acid	1.7	0 - 11.2
Pyroglutamic Acid	21.6	0 - 79
Sarcosine	0.46	0 - 2
Serine	20.7	0 - 177.3
Suberic Acid	0.75	0 - 10.1
Succinic Acid	7.5	4.9 - 81.3
Tetracosanoic acid	0	0 - 1
Threonine	21.8	0 - 58.2
Tridecanoic Acid	0	0 - 1
Tyrosine	10.7	6.2 - 59
Valine	7.4	3.3 - 19.8

Analyte	Result	BRI µmol/mmol Creatinine
Phenyl Acetyl Glycine	6.39	0 - 110
Phenyl Lactic Acid	0	0 - 4
Pimelic Acid	0.3	0 - 14
Proline	6.33	0 - 12.7
Propionyl Glycine	0	0 - 0.1
Pyruvic Acid	2.5	0 - 40.5
Sebasic Acid	0	0 - 12.3
Stearic Acid	0	0 - 8
Suberyl Glycine	0	0 - 1
Succinyl Acetone	0	0 - 0
Tetradecenoic Acid	0	0 - 1
Tiglyl Glycine	0	0 - 6.7
Tryptophan	13.8	2 - 46
Uracil	1.9	0 - 20.9
Xanthurenic Acid	0	0 - 4

DISORDERS OF CARBOHYDRATE METABOLISM

Analyte	Result	BRI µmol/mmol Creatinine
Arabinose	4.1	0 - 19.4
Fructose	2.1	0 - 35
Galactonic Acid	5.8	0 - 127.7
Gluconic Acid	40.9	0 - 122

Analyte	Result	BRI µmol/mmol Creatinine
Erythronic Acid	10.9	3.9 - 22.2
Galactitol	0.6	0 - 12
Galactose	7	0 - 49
Glucose	18.9	0 - 80

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DETAILED REPORT OF ANALYTES TESTED FOR METABOLIC DISORDERS

DISORDERS OF CARBOHYDRATE METABOLISM

Analyte	Result	BRI µmol/mmol Creatinine	Analyte	Result	BRI µmol/mmol Creatinine
Glucuronic Acid	0	0 - 75.7	Glyceraldehyde 3- Phosphate	0	0 - 1
Lactic Acid	83.1	5 - 118	Lactose	11.7	0 - 52.4
Mannose	0.6	0 - 3.3	Ribose	0.35	0 - 5
Sucrose	4.3	0 - 91	Threonic Acid	3.27	1.7 - 13.7
Xylose	0	0 - 67.1			

DISORDERS OF TCA CYCLE/MITOCHONDRIAL DYSFUNCTION

Analyte	Result	BRI µmol/mmol Creatinine	Analyte	Result	BRI µmol/mmol Creatinine
2- Keto Glutaric Acid	21.8	0 - 117	Alanine	6.82	6.7 - 17.9
Cis-Aconitic Acid	27.4	14.7 - 93	Citric Acid	65.2	33.2 - 652
Fumaric Acid	0.25	0 - 9.9	Isocitric Acid	10.4	0 - 141
Lactic Acid	83.1	5 - 118	Malic Acid	0.3	0 - 16.2
Methyl Fumaric Acid	0	0 - 0.2	Methyl Malic Acid	0	0 - 0.2
Pyruvic Acid	2.5	0 - 40.5	Succinic Acid	7.5	4.9 - 81.3

DISORDERS OF PURINE/PYRIMIDINE METABOLISM

Analyte	Result	BRI µmol/mmol Creatinine	Analyte	Result	BRI µmol/mmol Creatinine
2,8 Dihydroxyadenine	0	0 - 0	5- Hydroxy Methyl Uracil	0	0 - 0.0121
Adenosine	1.59	0 - 11	Beta-Ureidopropionic Acid	0.75	0 - 4.8
Deoxyadenosine	0	0 - 27.3	Dihydro Thymine	0	0 - 3
Dihydro Uracil	0	0 - 20	Guanosine	0	0 - 11
Hypoxanthine	10.95	0 - 60	Inosine	0	0 - 3.1

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NAME :		Age : 03 Years	
PATIENT ID :		ACCESSION NO	
COLLECTED ON :		REPORTED ON	
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DETAILED REPORT OF ANALYTES TESTED FOR METABOLIC DISORDERS

DISORDERS OF PURINE/PYRIMIDINE METABOLISM

Analyte	Result	BRI µmol/mmol Creatinine	Analyte	Result	BRI µmol/mmol Creatinine
Orotic Acid	0	0 - 4.3	Pseudouridine	20.26	0 - 162
Thymine	0	0 - 1.7	Uracil	1.9	0 - 20.9
Uric Acid	46.7	0 - 462	Uridine	0.86	0 - 9
Xanthine	10.2	0 - 62			

PEROXISOMAL DISORDERS

Analyte	Result	BRI µmol/mmol Creatinine	Analyte	Result	BRI µmol/mmol Creatinine
2,6 Dimethyloctanedioic Acid	0	0 - 0	3-Methyl Adipic Acid	1.46	0 - 3.554
Adipic Acid	1.7	0 - 35	Malic Acid	0.3	0 - 16.2
Oxalic Acid	0	0 - 19	Sebasic Acid	0	0 - 12.3
Suberic Acid	0.75	0 - 10.1			

DISORDERS OF NEUROTRANSMITTER METABOLISM

Analyte	Result	BRI µmol/mmol Creatinine	Analyte	Result	BRI µmol/mmol Creatinine
3- Hydroxy Mandelic Acid	0	0 - 0.1	4- Hydroxy Mandelic Acid	1.76	1.3 - 10
Adipic Acid	1.7	0 - 35	Homovanillic Acid	2.7	0 - 13.8
Quinolinic Acid	1.2	0-26.2	Sebasic Acid	0	0 - 12.3
Vanillyl Mandelic Acid	1.88	0 - 16.1			

Low Normal Borderline High

BRI - Biological Reference Interval

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LIST OF DISORDERS SCREENED

Amino Acid Metabolism Disorders		48	Pyruvate Carboxylase Deficiency	94	Malonic Acidemia (MAL)
1	2- Ketoadipic Aciduria	49	Pyruvate Dehydrogenase (E1) Deficiency	95	Methylmalonic Acidemia (MMA) - Cbl C. D
2	2-Oxoglutaric Aciduria			96	Methylmalc Cbl A, B)
3	3- Hydroxyisobutyryl-CoA-Deacy			97	Methylmalc Deficiency
4	5-Oxoprolinuria			98	Methylmalc
5	Alkaptonuria	53	Transient Tyrosinemia in Infancy	99	Mevalonic
6	Aminoacylase 1 Deficiency	54	Tryptophanuria with Dwarfism	100	Multiple Carboxylase Deficiency
7	Argininemia	55	Tyrosinemia caused by a Liver Dysfunction	101	Propionic Acidemia (PPA)
8	Argininosuccinic Aciduria	56	Tyrosinemia Type I	**TCA Cycle & Mitochondrial Dysfunction**	
9	Benign Hyperphenylalaninemia	57	Tyrosinemia Type II	102	Cytochrome C Oxidase deficiency
10	Biotinidase Deficiency	58	Tyrosinemia Type III	103	Cytochrome aa3-b deficiency
11	Carbamoylphosphate Synthetase 1- Deficiency	59	Valinemia	104	Leigh's Syndrome
12	Citrullinemia	60	Xanthurenic Aciduria	105	Mitochondrial Encephalopathy
13	Citrullinemia type II (CIT II)	**Fatty Acid Oxidation Disorders**		106	Pyruvate Dehydrogenase Phosphatase Deficiency
14	Cystathioninuria	61	2, 4 - Dienoy CoA Reductase Deficiency	**Carbohydrate Metabolism Disorders**	
15	Cystinuria	62	Carnitine Transport Defect	107	D-Glyceric Aciduria
16	Defects of Biopterin Cofactor Biosynthesis (BIOPT BS)	63	Glutaric Aciduria Type II	108	Endogenous Sucrosuria
17	Defects Of Biopterin Cofactor Regeneration (BIOPT REG)	64	Long-Chain 3- Hydroxyacyl-CoA Dehydrogenase Deficiency (LCHAD)	109	Fructose-1,6-Diphosphatase Deficiency
18	Dicarboxylic Aminoaciduria	65	Medium/Short-Chain 3-Hydroxyacyl-CoA Dehydrogenase Deficiency (SCHAD)	110	Fructosuria
19	Dihydrolipoyl Dehydrogenase (E3) Deficiency	66	Medium-Chain Acyl- CoA Dehydrogenase Deficiency (MCAD)	111	Galactokinase Deficiency (GALK)
20	Dimethylglycinuria	67	Medium-Chain Ketoacyl- CoA Thiolase Deficiency (MCKAT)	112	Galactose Epimerase Deficiency (GALE)
21	Ethanolaminosis	68	Mitochondrial Trifunctional Protein Deficiency (MTPD)	113	Galactosemia
22	Familial Renal Iminoglycinuria	69	Short-Chain Acyl- CoA Dehydrogenase Deficiency (SCAD)	114	Heredetary Fructose Intolerance
23	Glycerol Kinase Deficiency	70	Very Long-Chain Acyl- CoA Dehydrogenase Deficiency (VLCAD)	115	Lactose Intolerance
24	Glycine Encephalopathy	**Organic Acidurias**		116	Pentosuria
25	GTP Cyclohydrolase (GTPCH) Deficiency	71	2-Aminoadipic Aciduria	117	Transaldolase Deficiency
26	Hartnup Disease	72	2-Hydroxyglutaric Aciduria	118	Transient Galactosemia
27	Hawkinsinuria	73	2-Methyl 3-Hydroxy Butyric Aciduria (2M3HBA)	**Purine / Pyrimidine Metabolism Disorders**	
28	Histidinuria - Renal Tubular Defect	74	2-Methylbutyryl-CoA Dehydrogenase Deficiency (2MBG)	119	Adenine Phosphoribosyl Transferase Deficiency
29	Homocystinuria	75	3-Aminoisobutyric Aciduria	120	Adenosine Deaminase Deficiency
30	Hydroxylysinuria	76	3-Hydroxy-3-Methylglutaric Aciduria (HMG CoA Lyase Deficiency)	121	Beta Ureidopropionase Deficiency
31	Hyperhydroxyprolinemia	77	3-Methylcrotonyl CoA Carboxylase Deficiency	122	Dihydropyrimidinase Deficiency
32	Hyperbasic Aminoaciduria	78	3-Methylglutaconic Aciduria	123	Hyperuric Acidemia
33	Hyperbeta-Alaninemia	79	4-Hydroxybutyric Aciduria	124	Lesch - Nyhan Syndrome
34	Hyperglycinuria	80	Barth Syndrome	125	Orotic Aciduria
35	Hyperleucine - Isoleucinemia	81	Beta- Ketothiolase Deficiency (BKT)	126	Partial Deficiency of Hypoxanthine- Adenine Phosphoribosyl Transferase
36	Hypermethioninemia	82	Canavan Disease	127	Thymine- Uraciluria
37	Hyperornithinemia- Hyper ammoninemia- Hyper homocitrullinemia (HHH) Syndrome	83	Ethylmalonic Aciduria	128	Xanthinuria
38	Hyperprolinemia type I	84	Formiminoglutamic Aciduria	**Peroxisomal Disorders**	
39	Hyperprolinemia type-II	85	Fumarate Hydratase Deficiency	129	Infantile Refsum Disease (IRD)
40	Hypersarcosinemia	86	GABA Transaminase Deficiency	130	Neonatal Adrenoleukodystrophy
41	Imidazole Aminoaciduria	87	Glutaric Aciduria Type I	131	Primary Hyperoxaluria
42	Iminoglycinuria	88	Glutaric Aciduria Type III	132	Zellweger Like Syndrome (ZLS)
43	Lysinuric Protein Intolerance	89	Glutathionuria	133	Zellweger Syndrome
44	Maple Syrup Urine Disease (MSUD)	90	Histidinemia	**Neurotransmitter Metabolism Disorders**	
45	N-Acetyl Glutamate Synthetase Deficiency	91	Hyperpipecolatemia	134	Neuroblastoma
46	Ornithine Transcarbamylase (OTC) Deficiency	92	Isobutyryl-CoA Dehydrogenase Deficiency	135	Pheochromocytoma
47	Phenylketonuria (PKU)	93	Isovaleric Acidemia		

--- End of Report ---

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