

Analysis report

Date of print: 7/1/2014 08:51 AM

Name : john Doe
 D.o.b. : 02/06/1974
 Pat. No. : 119777
 Institute : b :
 Depart.

First name :
 Sex : Male
 Applicant : E.F. Vogelaar (eng)



Applicant Vogelaar
 Appoint. date 7/1/14
 Appoint. time 08:44 AM
 Appoint. No. 190838

Unit Ref. Range

ORGANIC ACIDS (URINE)

YEAST/FUNGAL

		Unit	Ref. Range
Citramalic	6.80	mmol/mcr	0.00 - 2.00
5-hydroxymethyl-2-furoic acid	16.00	mmol/mcr	0.00 - 80.00
3-oxoglutaric acid	0.00	mmol/mcr	0.00 - 0.50
Furan-2,5-dicarboxylic acid	6.30	mmol/mcr	0.00 - 50.00
Furancarboxylglycine	2.00	mmol/mcr	0.00 - 60.00
Tartaric acid	3.30	mmol/mcr	0.00 - 16.00
Arabinose	430.00	mmol/mcr	0.00 - 47.00
Carboxycitric acid	0.65	mmol/mcr	0.00 - 46.00
Tricarballic	0.38	mmol/mcr	0.00 - 0.44

BACTERIAL

		Unit	Ref. Range
2-hydroxyphenylacetic acid	0.39	mmol/mcr	0.00 - 10.00
4-hydroxyphenylacetic acid	9.20	mmol/mcr	0.00 - 50.00
Hippuric acid	772.00	mmol/mcr	10.00 - 400.00
3-indoleacetic acid	1.50	mmol/mcr	0.00 - 10.00
HPPHA (Clostridia marker)	127.00	mmol/mcr	0.00 - 150.00
4-Cresol (C. difficile)	61	mmol/mcr	0 - 75

Oxalate related

		Unit	Ref. Range
Glyceric	6.70	mmol/mcr	0.00 - 10.00
Glycolic acid	196.00	mmol/mcr	0.00 - 100.00
Oxalic acid	238.00	mmol/mcr	0.00 - 100.00

CLYCOLYSIS

		Unit	Ref. Range
Lactic acid	37.00	mmol/mcr	0.00 - 100.00
Pyruvic acid	4.70	mmol/mcr	0.00 - 50.00
2-hydroxybutyric	0.73	mmol/mcr	0.00 - 2.00

KREBS CYCLE

		Unit	Ref. Range
Succinic acid	36.00	mmol/mcr	0.00 - 20.00
Fumaric acid	0.57	mmol/mcr	0.00 - 10.00
Malic acid	0.54	mmol/mcr	0.20 - 1.80
2-oxo-glutaric acid	15.00	mmol/mcr	15.00 - 200.00

= Outside reference range | = Extreme | **bold** = New result

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ORGANIC ACIDS (URINE) (vervolg van pagina 1)

Aconitic acid	23.00	mmol/mcr	0.00 - 25.00
Citric acid	618.00	mmol/mcr	180.00 - 560.00
NEUROTRANSMITTERS			
HVA (Homovanilic) (Dopamine)	5.80	mmol/mcr	0.00 - 7.50
VMA (Vanillylmandelic) ((nor)-epinephrine)	3.30	mmol/mcr	1.00 - 4.70
5-hydroxyindoleacetic acid (serotonin)	1.50	mmol/mcr	0.00 - 20.00
Quinolinic acid	4.1	mmol/mcr	0.5 - 3.0
Kynurenic acid	0.97	mmol/mcr	0.00 - 2.00
PYRIMIDINES			
Uracil	3.50	mmol/mcr	0.00 - 22.00
Thymine	0.12	mmol/mcr	0.00 - 2.00
FATTY ACID METABOLITES			
3-hydroxybutyric acid	1.40	mmol/mcr	0.00 - 10.00
Acetoacetic acid	1.20	mmol/mcr	0.00 - 10.00
4-hydroxybutyric acid	2.40	mmol/mcr	0.00 - 5.00
Ethylmalonic acid	3.00	mmol/mcr	0.00 - 10.00
Methylsuccinic acid	3.00	mmol/mcr	0.00 - 5.00
Adipic acid	1.70	mmol/mcr	0.00 - 12.00
Suberic acid	1.40	mmol/mcr	0.00 - 2.00
Sebacic	0.26	mmol/mcr	0.00 - 2.00
VITAMIN INDICATORS			
Methylmalonic acid	2.20	mmol/mcr	0.00 - 5.00
Pyridoxic	17.00	mmol/mcr	2.00 - 26.00
Pantothenic	34.00	mmol/mcr	1.00 - 4.00
Glutaric acid	1.60	mmol/mcr	0.00 - 2.00
3-hydroxy-3-methylglutaric acid	61.00	mmol/mcr	0.00 - 36.00
N-Acetylcysteine	0.07	mmol/mcr	0.02 - 0.28
Methylcitric	4.10	mmol/mcr	0.00 - 12.00
TOXIC INDICATORS			
Pyroglutamic acid	38.00	mmol/mcr	20.00 - 115.00

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ORGANIC ACIDS (URINE) (vervolg van pagina 2)

Orotic acid	0.54	mmol/mcr	0.00 - 3.50
Hydroxyhippuric acid	0.92	mmol/mcr	0.00 - 20.00
AMINO ACID METABOLITES			
2-hydroxyisovaleric acid	0.00	mmol/mcr	0.00 - 2.00
2-oxoisovaleric acid	0.00	mmol/mcr	0.00 - 2.00
3-methyl-2-oxovaleric acid	0.60	mmol/mcr	0.00 - 2.00
Hydroxyisovaleric acid	0.02	mmol/mcr	0.00 - 2.00
2-oxoisocaproic acid	0.09	mmol/mcr	0.00 - 2.00
2-oxo-4-methylbutyric acid	0.11	mmol/mcr	0.00 - 2.00
Mandelic acid	0.00	mmol/mcr	0.00 - 5.00
Phenyllactic acid	0.06	mmol/mcr	0.00 - 2.00
Phenylpyruvic acid	0.27	mmol/mcr	0.00 - 5.00
Homogentisic acid	0.00	mmol/mcr	0.00 - 2.00
4-hydroxyphenyllactic	0.41	mmol/mcr	0.00 - 50.00
N-acetyl-aspartic acid	0.60	mmol/mcr	0.00 - 100.00
Malonic acid	1.70	mmol/mcr	0.00 - 10.00
Methylglutaric acid	0.53	mmol/mcr	0.00 - 10.00
3-Hydroxyglutaric	1.5	mmol/mcr	<= 6.2
3-Methylglutaconic	1.70	mmol/mcr	<= 4.50