

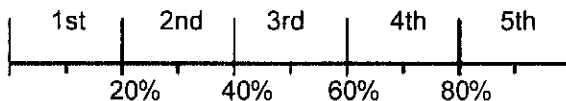
This report is not intended for the diagnosis of neonatal inborn errors of metabolism.

Organix™ Profile

Methodology: LC/Tandem Mass Spectroscopy, Colorimetric

Results are expressed as mcg/mg creatinine.
 Ranges are for ages 13 and over

Percentile Ranking by Quintile



95%
Reference
Interval

B-Vitamin Insufficiency

Results	1st	2nd	3rd	4th	5th	95% Reference Interval
1 Pyruvate 24.1 H					3.9	<= 6.4
2 a-Ketoglutarate <DL*					19.0	<= 35.0
3 a-Ketoisovalerate <DL*					0.25	<= 0.49
4 a-Ketoisocaproate <DL*					0.34	<= 0.52
5 a-Keto-β-Methylvalerate <DL*					0.38	<= 1.10
6 Xanthurenate 0.66 H					0.34	<= 0.46
7 β-Hydroxyisovalerate 6.2					7.6	<= 11.5
8 Methylmalonate 4.0 H					1.7	<= 2.3
9 Formiminoglutamate 1.0					1.2	<= 2.2

Cellular Energy

Results	1st	2nd	3rd	4th	5th	95% Reference Interval
10 Adipate 6.7 H					6.2	<= 11.1
11 Suberate 3.5 H					2.1	<= 4.6
12 Ethylmalonate 11.4 H					3.6	<= 6.3
13 L-Lactate 34.5 H					12.6	1.6 - 57.1
14 β-Hydroxybutyrate <DL*					2.1	<= 9.9
15 Succinate 18.7 H					11.6	<= 20.9
16 Fumarate <DL*					0.59	<= 1.35
17 Malate 0.5					1.4	<= 3.1
18 Hydroxymethylglutarate 3.2					3.6	<= 5.1

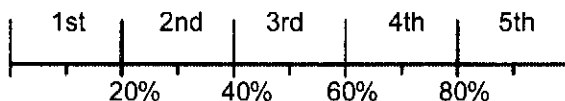
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Neural Function

Item	Results	Percentile	Reference Interval
19 Vanilmandelate	5.2 H	1.6	1.2 - 5.3
20 Homovanillate	6.4 H	1.9	1.4 - 7.6
21 5-Hydroxyindoleacetate	6.6 H	2.1	1.6 - 9.8
22 Kynurenate	1.5 H	1.0	<= 1.5
23 Quinolinate	5.0 H	4.0	<= 5.8
24 Picolinate	5.2	8.0	2.8 - 13.5

Detoxification

Item	Results	Percentile	Reference Interval
25 Citrate	<DL* L	601	56 - 987
26 Cis-Aconitate	35	51	18 - 78
27 Isocitrate	89	98	39 - 143
28 2-Methylhippurate	0.177 H	0.084	<= 0.192
29 Orotate	0.86 H	0.69	<= 1.01
30 Glucarate	6.6 H	6.3	<= 10.7
31 a-Hydroxybutyrate	<DL*	0.3	<= 0.9
32 Pyroglutamate	58	59	28 - 88
33 Sulfate	2,277	958 - 2,347	690 - 2,988

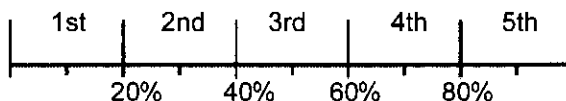
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Percentile Ranking by Quintile



95%
Reference
Interval

Compounds of Bacterial Origin

Compound	Result	Percentile Ranking	95% Reference Interval
34 Benzoate	<DL*	0.6	<= 9.3
35 Phenylacetate	<DL*	0.11	<= 0.18
36 Phenylpropionate	<DL*		<= 0.06
37 p-Hydroxybenzoate	0.5	1.1	<= 1.8
38 p-Hydroxyphenylacetate	62 H	19	<= 34
39 Indican	58	64	<= 90
40 Tricarballic acid	<DL*	0.73	<= 1.41
41 3,4-Dihydroxyphenylpropionate	<DL*		<= 0.05
42 D-Lactate	<DL*	1.9	<= 4.3

Creatinine = 25 mg/dl

* <DL = less than detection limit
 ** >LIN = greater than linearity limit

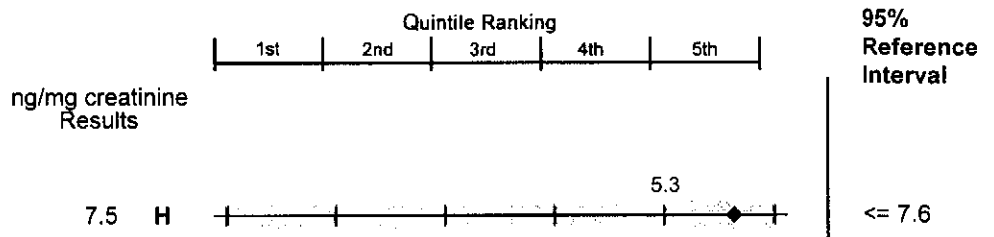
8-Hydroxy-2' deoxyguanosine - Urine

Methodology: LC/Tandem Mass Spectroscopy, Colorimetric

What is 8-Hydroxy-2'-deoxyguanosine (8-OHdG)?

In its efforts to produce the chemical energy to power your cells and fight infection, your body makes harmful chemicals called free radicals. Sustained inflammatory responses cause increased production of these free radicals. When local antioxidant protection fails to keep free radicals in check, there is threat of damage to cell membranes, enzymes, proteins and DNA. 8-OHdG is a product of oxidative damage by free radicals to DNA, and the 8-OHdG test tells you if you have enough antioxidants in your system. High levels of 8-OHdG are sometimes associated with toxic exposure, cancer, heart disease, diabetes, aging, liver disease, Parkinson's disease, and smoking.

Ranges: Ages 13 and over.



What does my 8-Hydroxy-2'-deoxyguanosine (8-OHdG) result mean?

If your 8-OHdG is high, your body is failing to control the rate of formation of free radicals. You can increase your protection by taking vitamins E and C, selenium, beta-carotene, and bioflavonoids. Many products are available that offer combinations of these and other antioxidants that may be beneficial.