

Biolab Medical Unit

9 Weymouth Street, London W1W 6DB, UK

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Biolab reference: **XXXX/MCON/C11** Patient: **Sample Report**

Date: **21/01/2011** Age: **30**

Doctor's reference: **014652** Sex: **Male**

Doctor: **Dr**

Health Risk Profile

<u>Vitamins and related antioxidants:</u>	<u>Results</u>	<u>Units</u>	<u>Reference range</u>
Serum vitamin A (retinol)	1.31	µmol/L	1.05 - 2.80
Serum vitamin C (ascorbic acid)	70	µmol/L	34 - 114
Serum vitamin E (alpha-tocopherol)	16	µmol/L	25 - 60
Serum β-carotene	0.67	µmol/L	0.40 - 3.00
Serum lycopene	0.37	µmol/L	0.30 - 4.50
Serum lutein	0.53	µmol/L	0.40 - 1.10

Minerals:

Plasma chromium	5.9	nmol/L	6.2 - 33.4
Plasma copper	14.2	µmol/L	12.5 - 25.0
Plasma manganese	13.2	nmol/L	9.0 - 40.0
Plasma selenium	1.26	µmol/L	1.00 - 1.90
Plasma zinc	10.7	µmol/L	11.5 - 20.0
Red cell magnesium	2.09	mmol/L	2.08 - 3.00

Essential fatty acids in red cells:

18:3n6 Gamma-Linolenic acid	1.7	µmol/L	0.7 - 2.5
20:3n6 Di homo gamma-linolenic acid	6.5	µmol/L	5.0 - 9.7
20:4n6 Arachidonic acid	29	µmol/L	28 - 70
20:5n3 Eicosapentaenoic acid	4.2	µmol/L	2.1 - 7.4
22:6n3 Docosahexaenoic acid	9.6	µmol/L	7.2 - 17.4

Results continued overleaf

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	<u>Results</u>	<u>Units</u>	<u>Reference range</u>
<u>Enzymes:</u>			
RBC glutathione peroxidase (GSHPx-1)	25	IU/gm Hb	25 - 50
Plasma glutathione peroxidase (GSHPx-3)	130	IU/L	115 - 400
RBC Superoxide dismutase	53	u/gHb	1102 - 1601
Serum: Paraoxonase	250	IU/L	150 - 1000
Alkaline phosphatase - Total	100	U/L	30 - 130
TRAP - tartrate resistant acid phosphatase	2.8	U/L	1.5 - 4.3
Acid phosphatase - prostatic	0.3	U/L	up to 0.9
Lactate dehydrogenase	215	U/L	100 - 450
Gamma-glutamyl transferase	36	U/L	6 - 28 (male)
Glutathione-S-transferase	40	U/L	12 - 46

Bile acids (serum):

Total bile acids	3.0	µmol/L	<6.4 fasting
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Proteins (serum):

Albumin	38	g/L	35 - 50
Globulin	33	g/L	15 - 30
C-Reactive protein	0.30	mg/dL	<0.50

Others:

Glycosylated haemoglobin (HbA1c)	6.7	%	up to 8.0
HbA1c (IFCC standardised units)	50	mmol/mol	up to 64

Interpretive comments overleaf