

Authorizing Provider:

DirectLabs

4040 Florida St Ste 101

Mandeville, LA 70448

USA

Accession Number: T082459

Patient: Bi [REDACTED]

Age: 53

Sex: Male

Date Collected: 02/29/2016

Date Received: 03/03/2016

Report Date: 03/09/2016

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Lipid Peroxides - 109

Parameter	Result	Reference Range	Units
Urinary Lipid Peroxides	1.61	<7	umol/g

Lipid peroxidation is a mechanism of cellular injury and is used as an indicator of oxidative stress. The elevation of lipid peroxides serves as an early warning of the potential long-term effects of oxidative stress. Oxidative stress can result from exposure to toxins or pathogens, inappropriate lifestyle - such as over-exercising and smoking - or byproducts of normal metabolism. Lipid peroxides are unstable and decompose to form a series of compounds, such as malondialdehyde (MDA). MDA can be quantified through a controlled reaction with thiobarbituric acid, generating Thiobarbituric Acid Reactive Substances (TBARS).

Lipid Peroxides are measured in units of creatinine concentration. For research purposes only.