

Authorizing Clinician	Patient	Received Samples	Reported
BioHealth Laboratory 23900 Hawthorne Blvd, Suite 150 Torrance, CA 90505	Rebecca Stein Gender: Female DOB: 11/26/1968	12/02/2016	12/02/2016

Lipid Peroxides (#109)

Parameter	Result	Reference Range	Units
Urinary Lipid Peroxides	4.3*	<4.0	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).