

Patient:

 Age: 59 Sex: Female
 Date Collected: 12/01/2011
 Date Received: 12/06/2011
 Report Date: 12/14/2011
 DOB: 03/08/1952

Metabolic Assessment Profile - 101

Parameter	Result	Reference Range	Units
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Urinary Indican	Negative	Negative	
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POS (1+) = LOW, POS (2+) = MEDIUM, POS (3+) = HIGH, POS (4+) = VERY HIGH

A positive indican indicates poor digestion of dietary protein and/or an overgrowth of bacteria in the intestines. Problems with protein digestion can be caused by factors such as Helicobacter pylori and parasite infections, dysbiosis, lack of digestive enzymes, and liver problems. The inability to digest protein can lead to bowel putrefaction and have adverse affects on glycemic control and hormone balance.

Urinary Lipid Peroxides	6.50	1.00 - 7.50	nM/mg
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High levels of lipid peroxides are associated with a multitude of symptoms, degenerative diseases and premature aging. Lipid peroxides is an index of cellular membrane damage caused by the action of free radicals, as the result of oxidative stress. Oxidative stress can result from lifestyle problems such as excessive exercise, insufficient sleep, and cigarette and alcohol abuse; it also results from exposures to chemicals, heavy metals, radiation, and excess stress. The lipid peroxides test indicates the need for antioxidants and lifestyle changes.

Urinary Bile Acid Sulfates	7.2	1.0 - 12.0	umol/g
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MALES: 1.0 - 8.0 umol/g
 FEMALES: 1.0 - 12.0 umol/g

UBAS is a direct measurement of liver function. The enterohepatic circulation regulates bile acid levels and under normal circumstances - given a healthy liver - small amounts leak into the bloodstream to be converted to sulfate and excreted in the urine. Compromised liver function leads to a buildup of toxic substances that can damage liver cells and lead to increased risk for cancer and a variety of other degenerative diseases. An elevated UBAS level indicates the need for nutritional liver support and removal of toxic exposures.

A positive result on any of the above markers may be related to a biochemical/metabolic source of chronic stress.

Consult biohealthlab.com's Clinical Resources area for interpretive guidance and clinical training.