

5894 Shiloh Rd, Ste 101 | Alpharetta GA 30005 877.485.5336

Patient: Ozzy Dennis Collected: 6/25/2023 DOB: 3/8/2018 External ID #:

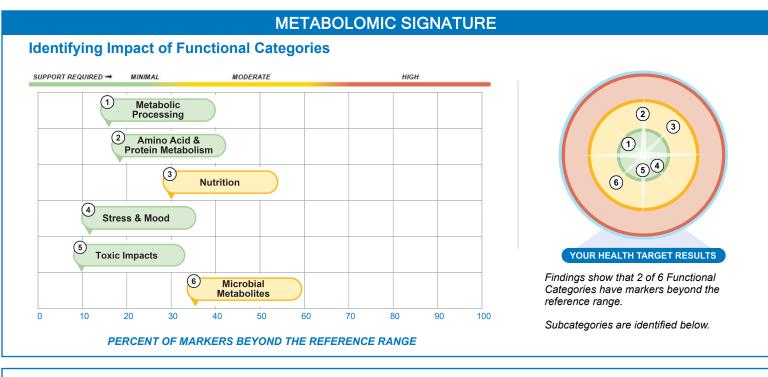
Accession: 20230705-0217
Received: 7/5/2023
Completed: 7/17/2023
Ordered by: Reine DuBois, ND

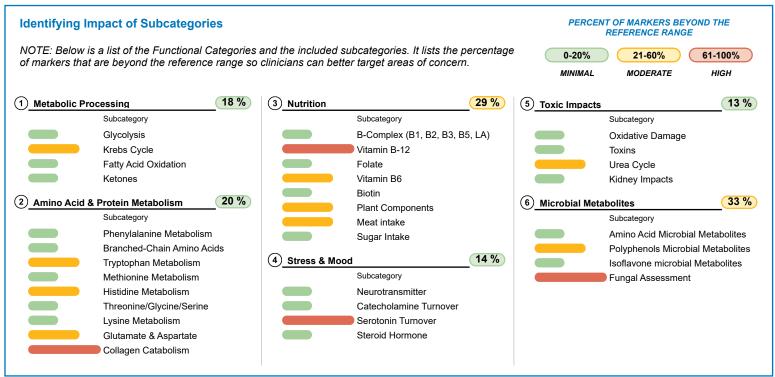


METHODOLOGY: LC-MS/MS - OMX Urine

YOUR PERSONALIZED REPORT

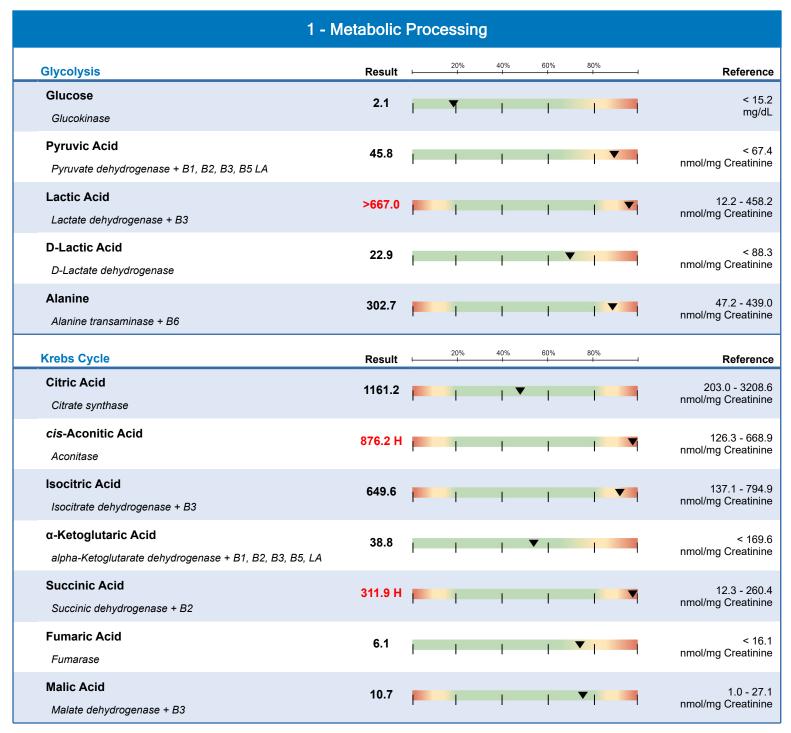
The charts on this page are designed to give you a bird's-eye-view of your current metabolic signature and help you get a general preview of the detailed report found on the following pages.

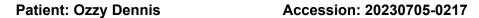










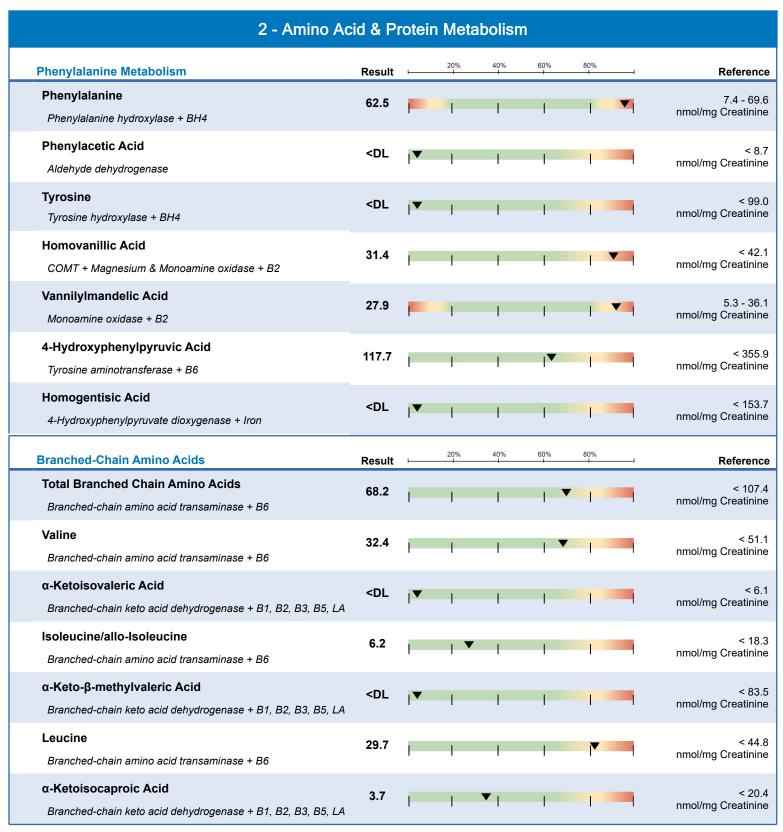




1 - Metabolic Processing								
Fatty Acid Oxidation	Result	<u> </u>	20%	40%	60% +	80%		Reference
Adipic Acid Saturated dicarboxylic acid	7.9		▼	-	-	-		4.3 - 55.6 nmol/mg Creatinine
Suberic Acid Fatty acid oxidation + Carnitine	2.1		1	V	-	-		0.7 - 9.3 nmol/mg Creatinine
Sebacic Acid Fatty acid oxidation + Carnitine	4.9	-	1	V	-	-	-	1.5 - 21.0 nmol/mg Creatinine
Pimelic Acid Saturated dicarboxylic acids	7.7		1	-	▼	-		1.5 - 24.8 nmol/mg Creatinine
Hexanoylglycine Medium-chain acyl glycines	4.4	_	1	- 1	-	V	-	0.7 - 9.6 nmol/mg Creatinine
Suberylglycine Medium-chain acyl glycines	<dl< td=""><td>•</td><td>-</td><td>1</td><td>-</td><td>1</td><td></td><td>< 0.4 nmol/mg Creatinine</td></dl<>	•	-	1	-	1		< 0.4 nmol/mg Creatinine
3-Phenylpropionylglycine Medium-chain acyl glycines	<dl< td=""><td>•</td><td>-1</td><td>ı</td><td>-1</td><td>-</td><td></td><td>< 0.5 nmol/mg Creatinine</td></dl<>	•	-1	ı	-1	-		< 0.5 nmol/mg Creatinine
Ethylmalonic Acid Dicarboxylic acid	108.6 H		1	1	-	-	V	9.9 - 65.6 nmol/mg Creatinine
2-Methylsuccinic Acid Dicarboxylic acid	6.3	_	1		ı			3.7 - 36.0 nmol/mg Creatinine
Ketones	Result	ı	20%	40% 	60%	80%		Reference
β-Hydroxybutyric Acid beta-Hydroxybutyrate dehydrogenase + B3	30.0		I	-	-	V		3.2 - 116.4 nmol/mg Creatinine

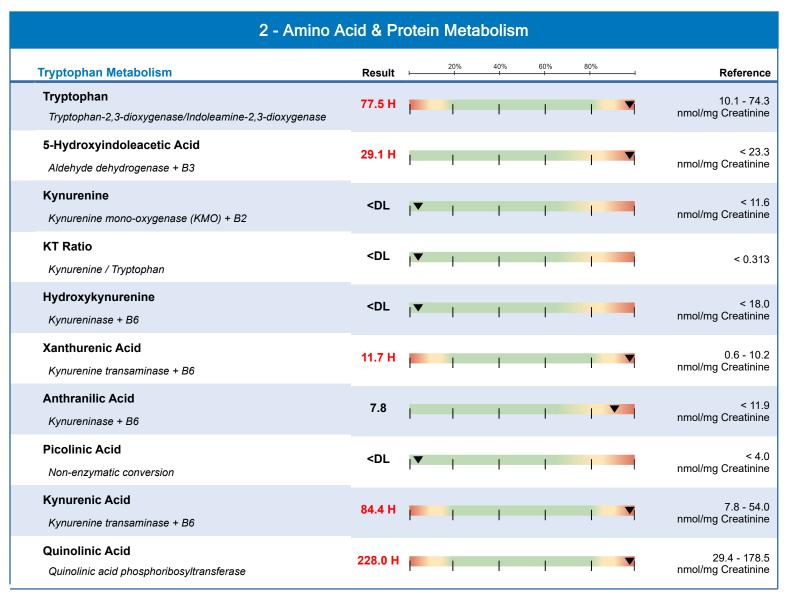












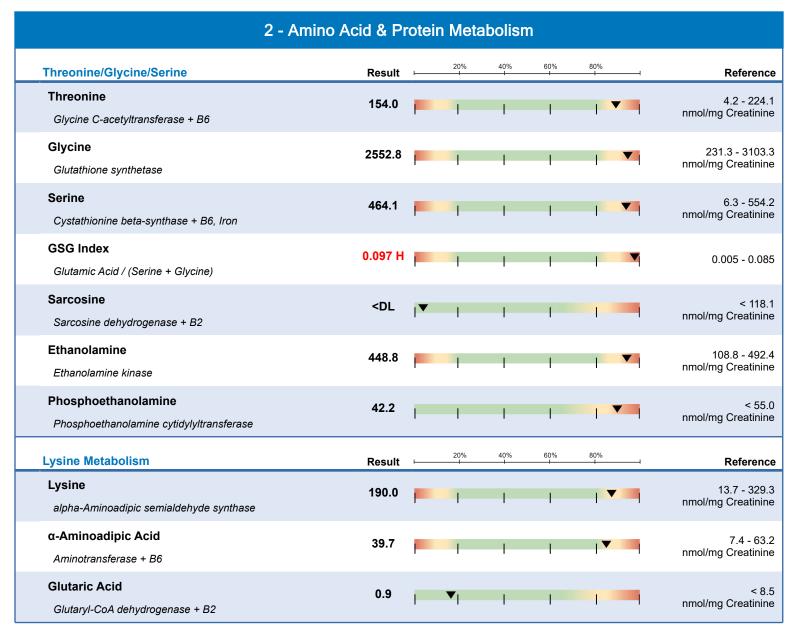






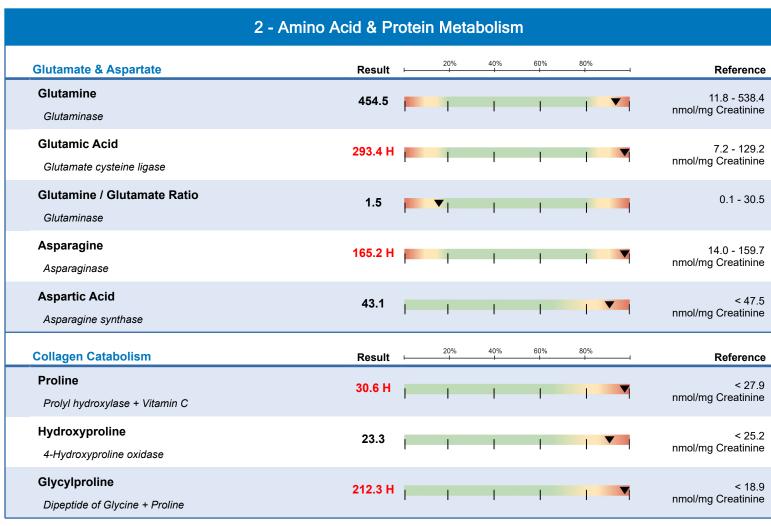














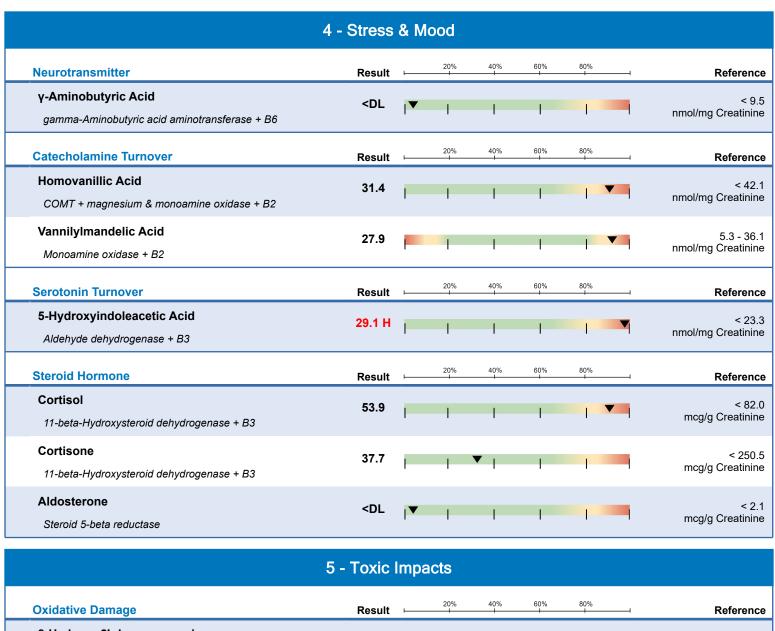








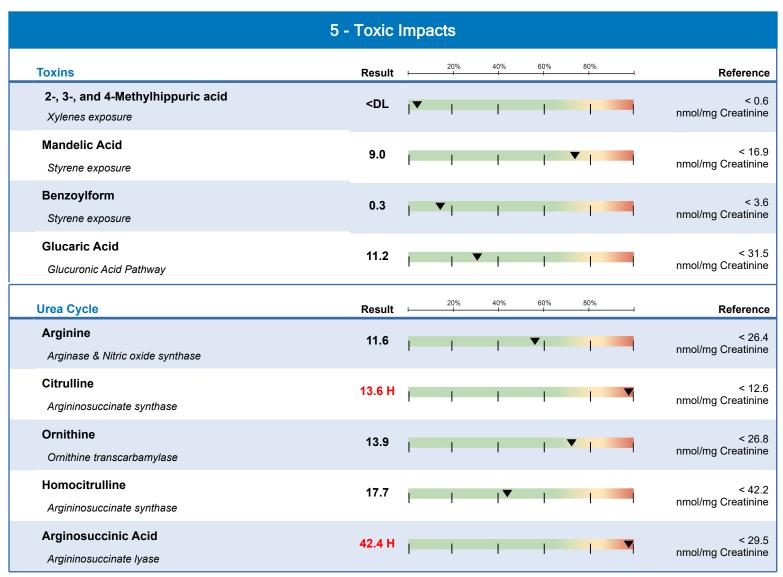




5 - Toxic Impacts							
Oxidative Damage	Result		20%	40%	60% !	80% 	 Reference
8-Hydroxy-2'-deoxyguanosine	2.3					•	< 6.4
DNA oxidation			1	1		1	nmol/mg Creatinine

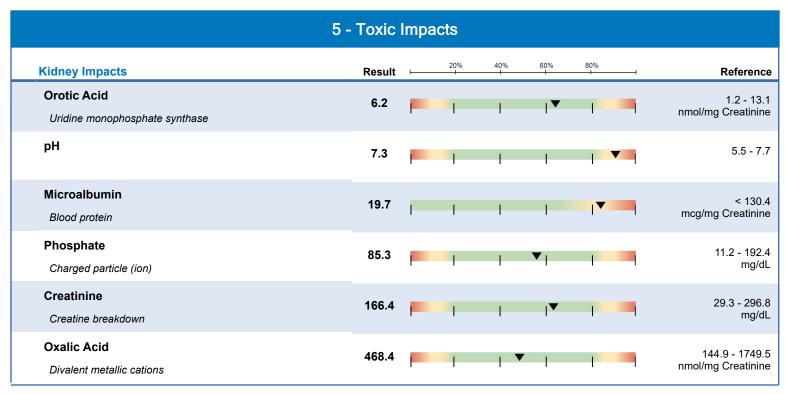


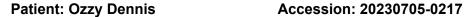




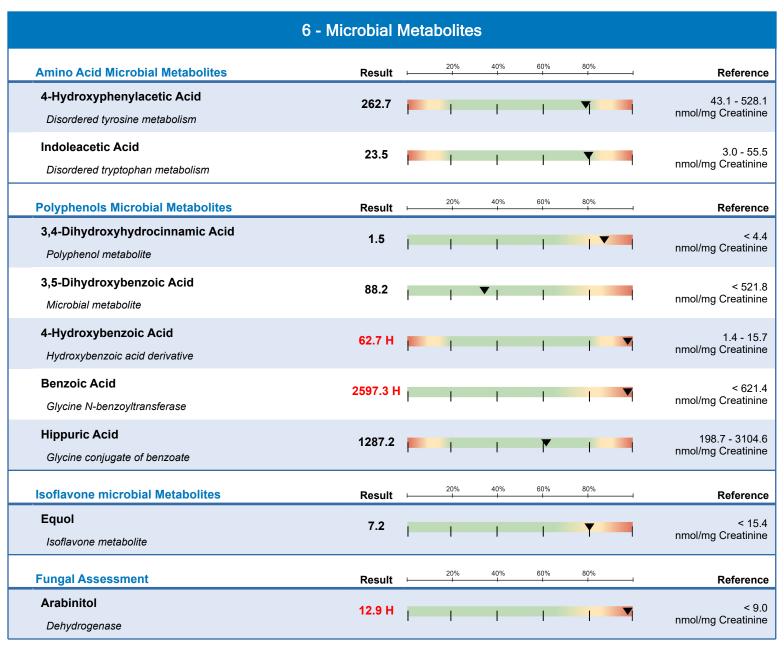












Patient: Ozzy Dennis Accession: 20230705-0217



PERSONALIZED METABOLOMIC RECOMMENDATIONS

Note: Nutrient supplementation is up to the treating clinician's discretion with full understanding of the patient's medical history and current clinical condition.

MICRONUTRIENTS	Support Required	Recommendations	Food Sources
B-Complex	None	No Additional Support	Mixed diet
Thiamin (B1)	None	1.2 mg*	Rice, wheat germ, lentils, peas, pork, whole wheat bread, spinach
Riboflavin (B2)	Moderate	30 mg	Milk, almonds, eggs, salmon, chicken, broccoli, spinach
Niacin (B3)	None	16 mg*	Chicken, tuna, turkey, cereal, peanuts, lentils, coffee
Cobalamine (B12)	High	500 mcg	Clams, mussels, mackerel, crab, beef, salmon, milk, eggs
Folate (B9)	None	400 mcg DFE*	Lentils, garbanzo beans, spinach, asparagus, lima beans, orange juice
Biotin (B7)	None	30 mcg*	Eggs, liver, salmon, avocado, raspberries, cauliflower, bread
CoQ10	Moderate	60+ mg	Beef, herring, chicken, canola oil, Rainbow trout, peanuts, pistachio nuts, brocolli
Magnesium	None	420 mg*	Beef, pork, milk, cod, chicken, avocado
Carnitine	None	10+ mg	Beef, pork, milk, cod, chicken, avocado
Copper	None	0.9 mcg	Eastern oysters, crab meat, clams, cashews, sunflowers, hazelnuts, almonds

^{*} DV or Daily Values, are the recommended amounts of nutrients per day for a healthy, non-deficient adult.

PROTEIN	Findings	Suggested Recommendation
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Phenylalanine	Adequate	No Additional Support
Isoleucine/allo-Isoleucine	Adequate	No Additional Support
Leucine	Adequate	No Additional Support
Valine	Adequate	No Additional Support
Tryptophan	High	Represents protein intake 24-48 hrs before collection; higher in fish-eaters; check BMI and nutrient cofactors
Methionine	Adequate	No Additional Support
Threonine	Adequate	No Additional Support
Lysine	Adequate	No Additional Support
Histidine	High	Represents protein intake 24-48 hrs before collection; consider liver status, anemia, allergires and asthma; check folate and carnosine levels
Arginine	Adequate	No Additional Support
Glycine	Adequate	No Additional Support
Taurine	Adequate	No Additional Support

ADDITIONAL SUPPORT	Support Required	Suggested Recommendation
Glutathione Need	None	No Additional Support
Inflammation	None	No Additional Support
Liver Parameters	Moderate	Consider liver support such as, glycine or serine, omega-3 fatty acids, vitamin E, antioxidants and fiber rich foods; avoid saturated fats and added sugars.
Kidney Parameters	None	No Additional Support