Zack Arnold

Micronutrients	Patient Results (% Control)	Functional Abnormals	Reference Range (greater than)
B Complex Vitamins			
Vitamin B1 (Thiamin)	100		>78%
Vitamin B2 (Riboflavin)	59		>53%
Vitamin B3 (Niacinamide)	96		>80%
Vitamin B6 (Pyridoxine)	69		>54%
Vitamin B12 (Cobalamin)	21		>14%
Folate	43		>32%
Pantothenate	16		>7%
Biotin	54		>34%
Amino Acids			
Serine	54		>30%
Glutamine	57		>37%
Asparagine	55		>39%
Metabolites			
Choline	20	Deficient	>20%
Inositol	64		>58%
Carnitine	57		>46%
Fatty Acids			
Oleic Acid	71		>65%
Other Vitamins			
Vitamin D3 (Cholecalciferol)	55		>50%
Vitamin A (Retinol)	78		>70%
Vitamin K2	55		>30%
Minerals			
Calcium	44		>38%
Manganese	69		>50%
Zinc	39		>37%
Copper	45		>42%
Magnesium	39		>37%
Carbohydrate Metabolism			
Glucose-Insulin Interaction	41		>38%
Fructose Sensitivity	53		>34%
Chromium	42		>40%
Antioxidants			
Glutathione	57		>42%
Cysteine	53		>41%
Coenzyme Q-10	98		>86%
Selenium	82		>74%
Vitamin E (A-tocopherol)	90		>84%
Alpha Lipoic Acid	86		>81%
Vitamin C	52		>40%
SPECTROX™			
Total Antioxidant Function	56		>40%
Proliferation Index			
Immunidex	59		>40%

The reference ranges listed in the above table are valid for male and female patients 12 years of age or older.