

Micronutrients	Patient Results (% Control)	Functional Abnormals	Reference Range (greater than)
<u>B Complex Vitamins</u>			
Vitamin B1 (Thiamin)	90		>78%
Vitamin B2 (Riboflavin)	64		>53%
Vitamin B3 (Niacinamide)	90		>80%
Vitamin B6 (Pyridoxine)	62		>54%
Vitamin B12 (Cobalamin)	21		>14%
Folate	35		>32%
Pantothenate	13		>7%
Biotin	40		>34%
<u>Amino Acids</u>			
Serine	52		>30%
Glutamine	55		>37%
Asparagine	59		>39%
<u>Metabolites</u>			
Choline	23		>20%
Inositol	75		>58%
Carnitine	63		>46%
<u>Fatty Acids</u>			
Oleic Acid	64	Deficient	>65%
<u>Other Vitamins</u>			
Vitamin D3 (Cholecalciferol)	54		>50%
Vitamin A (Retinol)	76		>70%
Vitamin K2	63		>30%
<u>Minerals</u>			
Calcium	44		>38%
Manganese	78		>50%
Zinc	44		>37%
Copper	52		>42%
Magnesium	48		>37%
<u>Carbohydrate Metabolism</u>			
Glucose-Insulin Interaction	61		>38%
Fructose Sensitivity	45		>34%
Chromium	46		>40%
<u>Antioxidants</u>			
Glutathione	54		>42%
Cysteine	49		>41%
Coenzyme Q-10	90		>86%
Selenium	81		>74%
Vitamin E (A-tocopherol)	91		>84%
Alpha Lipoic Acid	92		>81%
Vitamin C	68		>40%
<u>SPECTROX™</u>			
Total Antioxidant Function	57		>40%
<u>Proliferation Index</u>			
Immunidex	82		>40%

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