

Micronutrients	Patient Results (% Control)	Functional Abnormals	Reference Range (greater than)
<u>B Complex Vitamins</u>			
Vitamin B1 (Thiamin)	102		>78%
Vitamin B2 (Riboflavin)	66		>53%
Vitamin B3 (Niacinamide)	94		>80%
Vitamin B6 (Pyridoxine)	61		>54%
Vitamin B12 (Cobalamin)	21		>14%
Folate	46		>32%
Pantothenate	13		>7%
Biotin	38		>34%
<u>Amino Acids</u>			
Serine	52		>30%
Glutamine	58		>37%
Asparagine	50		>39%
<u>Metabolites</u>			
Choline	22		>20%
Inositol	74		>58%
Carnitine	56		>46%
<u>Fatty Acids</u>			
Oleic Acid	69		>65%
<u>Other Vitamins</u>			
Vitamin D3 (Cholecalciferol)	66		>50%
Vitamin A (Retinol)	78		>70%
Vitamin K2	68		>30%
<u>Minerals</u>			
Calcium	41		>38%
Manganese	52		>50%
Zinc	39		>37%
Copper	41	Deficient	>42%
Magnesium	42		>37%
<u>Carbohydrate Metabolism</u>			
Glucose-Insulin Interaction	46		>38%
Fructose Sensitivity	51		>34%
Chromium	40	Deficient	>40%
<u>Antioxidants</u>			
Glutathione	55		>42%
Cysteine	50		>41%
Coenzyme Q-10	90		>86%
Selenium	83		>74%
Vitamin E (A-tocopherol)	88		>84%
Alpha Lipoic Acid	88		>81%
Vitamin C	57		>40%
<u>SPECTROX™</u>			
Total Antioxidant Function	75		>40%
<u>Proliferation Index</u>			
Immunidex	80		>40%

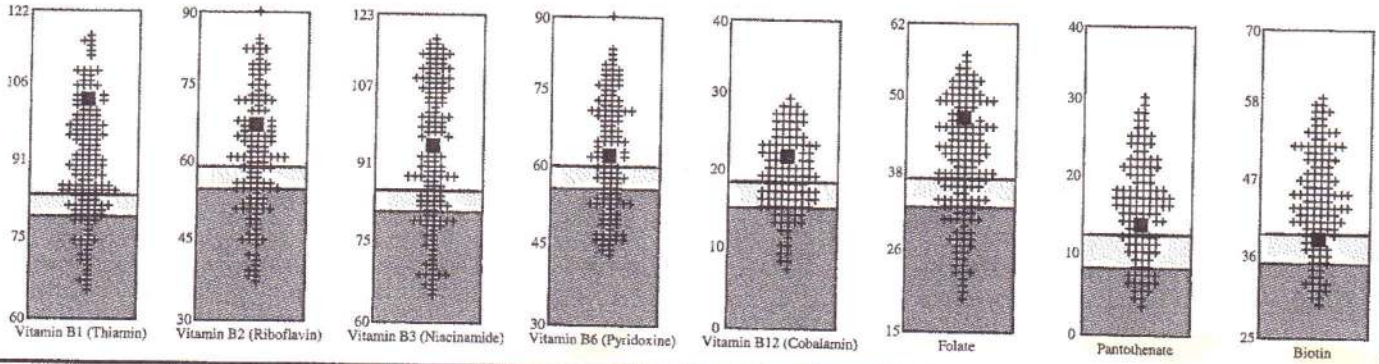
The reference ranges listed in the above table are valid for male and female patients 12 years of age or older.

■ Adequate
 ■ Borderline
 ■ Deficient

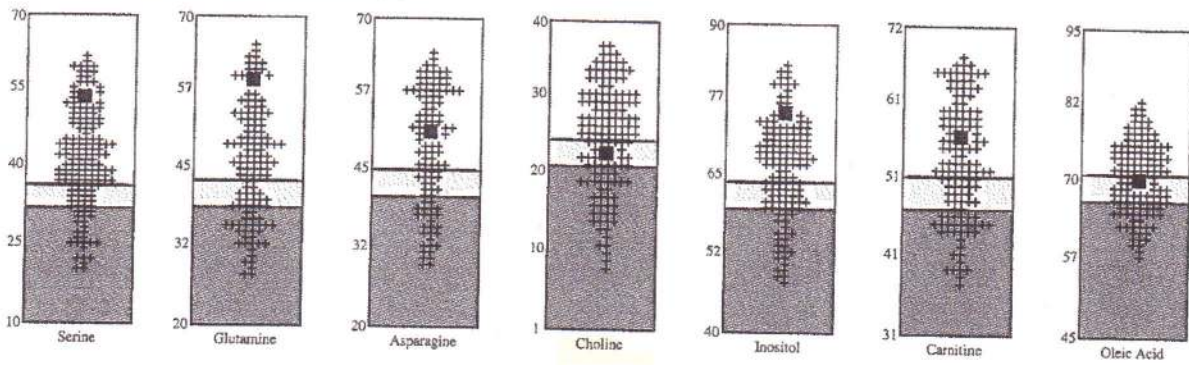
Deficient
 Values in this area represent a deficiency and may require nutrient repletion or dietary changes

Borderline
 Values in this area represent a borderline and may require nutrient repletion or dietary changes.

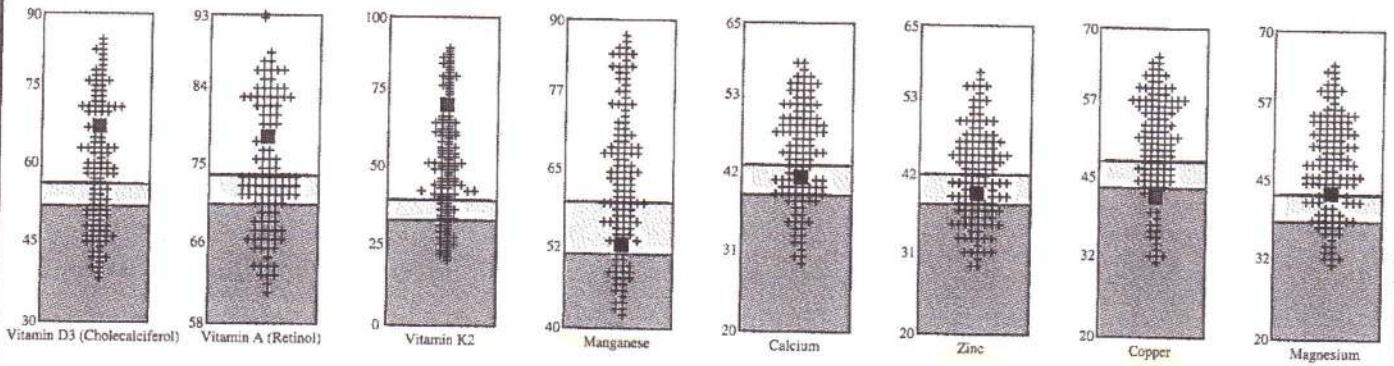
B Complex Vitamins



Amino Acids & Metabolites

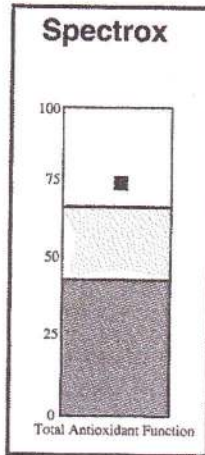
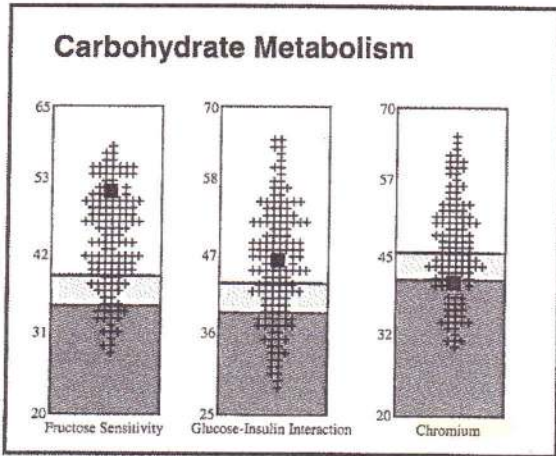


Other Vitamins & Minerals



Adequate
 Borderline
 Deficient
 Deficient
 Values in this area represent a deficiency and may require nutrient repletion or dietary changes

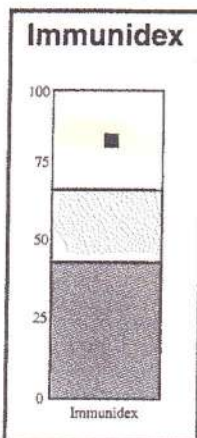
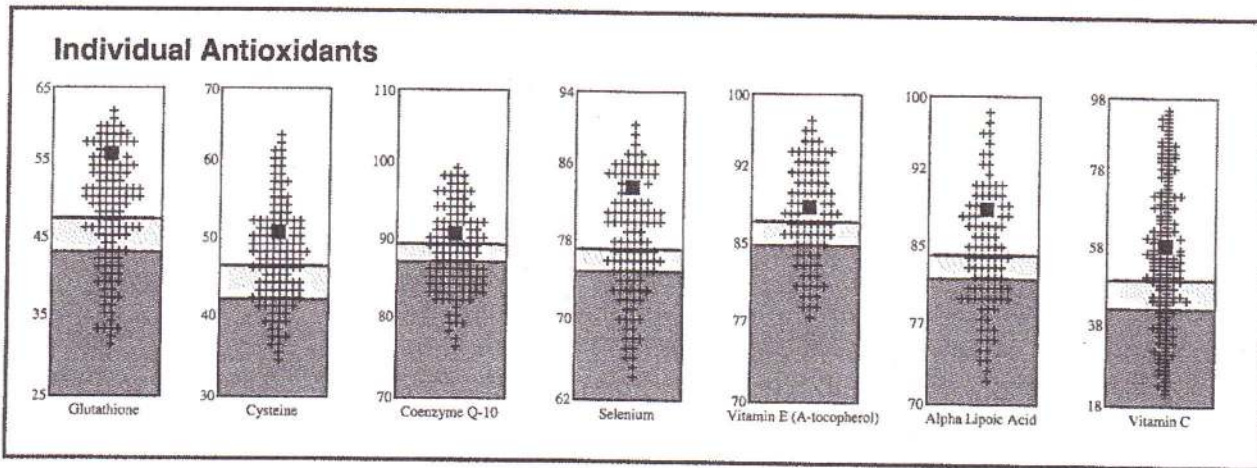
Borderline
 Values in this area represent a borderline and may require nutrient repletion or dietary changes.



A Spectrox value above 65% indicates a desirable status for apparently healthy individuals. Since antioxidants are protective nutrients, the most desired status would be the greatest ability to resist oxidative stress.

A Spectrox value between 40% and 65% indicates an average antioxidant function for apparently healthy individuals. An average status means the ability to resist oxidative stress similar to the majority of persons. However, average status is not ideal, nor is it clearly deficient.

A Spectrox value below 40% indicates a deficient antioxidant function resulting in a decreased ability to resist oxidative stress or an increased antioxidant load.



The Immunidex is an indication of the patient's T-Lymphoproliferative response to mitogen stimulation relative to the response of a control population. An average or weakened immune response may improve with correction of the nutritional deficiencies determined by the micronutrient testing.

An Immunidex above 65% indicates a strong response, a measurement of cell-mediated immune function.

An Immunidex between 40% and 65% - indicates an average response.

An Immunidex below 40% may indicate a weakened cell mediated immune response.