It is now common knowledge that aerobic respiration results in the production of Reactive Oxygen Species (ROS) and that cellular and subcellular antioxidant systems exist to deal with excessive ROS before they can exert harmful effects. Under ideal health and age related conditions the cell’s normal systems can perform their function quite well but what happens when additional inputs such as environmental stress or increased metabolic activity act to create elevated conditions of oxidative stress? Exercise physiologists and other health and wellness professionals have become increasingly interested in the effect that lifestyle choices such as smoking, alcohol intake and exercise might have on oxidative stress levels and conditions of wellness. Likewise, researchers are also interested in measuring the effects of antioxidant supplementation and/or functional food consumption under conditions of oxidative stress.

Researchers have used our products to measure the effects of many different substances, conditions and responses relative to oxidative stress. Below is a representative sampling of the types of research related to Health and Wellness supported by NWLSS™ products.

Below are a few examples of the research our products are helping to support.

- **Evaluation of biological activities of a groundnut (*Apios americana Medik*) extract containing a novel isoflavone**

- **Bison meat has a lower atherogenic risk than beef in healthy men**