STRESS OXIDATIVE RESEARCH APPLICATION: Diseases

Increased levels of Oxidative Stress often results in damage to cellular components which we now know can also be a precursor to tissue specific or systemic disease states. Determining the role of Oxidative Stress in the etiology and treatment of disease has become a common theme for medical researchers investigating pathophysiological processes involved in biological decline due to disease and aging.

Some common medical conditions wherein Oxidative Stress is thought to play a role are:

- Alzheimer’s
- Atherosclerosis
- Cancer
- Emphysema
- Heart Attack (Myocardial Infarct)
- Hemolytic Anemia
- Multiple Sclerosis
- Organ Transplantation
- Parkinson’s Rheumatoid Arthritis
- Sickle Cell Anemia
- Stroke

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

- **Effects of combination therapy with vildagliptin and valsartan in a mouse model of type 2 diabetes**

- **Peroxiredoxin 1 Controls Prostate Cancer Growth through Toll-Like Receptor 4–Dependent Regulation of Tumor Vasculature**

- **Relationship among Oxidative Stress, DNA Damage, and Proliferative Capacity in Human Corneal Endothelium**