Helvetica Health Care

healthcare at the speed of life

OXIDATIVE STRESS

ZeptoMetrix's oxidative stress products are designed to assist the researcher in the exploration of oxidative stress in a variety of human and animal samples, as well as samples exposed to drugs and foods. Custom laboratory services covering a wide range of oxidative damage, enzymes, micronutrients, and routine analyses are available :

- TBARS assay kit for the screening of lipid peroxidation
- DNA Isolation kit and DNA standards
- Antioxidant enzyme assay kits such as Glutathione Peroxidase, Glutathione Reductase, and Arylesterase

Click here for references on ZMC's TBARS Kit

The **Arylesterase/Paraoxonase Assay** kit provides a simple, reproducible method of quantifying the activity of serum arylesterase/paraoxonase (PON).This enzyme catalyzes the hydrolysis of organophosphates and aromatic carboxylic acid esters of fatty acids. PON has been shown to be closely associated with HDL, may be a potent inhibitor of LDL oxidation, and may have a peroxidative role due to its active hydrolysis of H_2O_2.

ART. CODE	*NAME*	*SIZE*
0801199	**Arylesterase/Paraoxonase Assay Kit**	200 tests

Measurement of Thiobarbituric Acid Reactive Substances (TBARS) is the gold standard for assay of oxidative stress. The OXI-TEK (TBARS) is a calibrated kit designed for the measurement of oxidative stress in biological samples. This assay may be used for testing antioxidants and drugs.

ART. CODE	*NAME*	*SIZE*
0801192	**TBARS Assay Kit**	160 determinations

The **Total Glutathione Peroxidase Assay Kit** provides an indirect method of quantifying the activity of total glutathione peroxidase (GPx) in a large number of biological specimens including plasma, WRBC, tissues and yeast. This antioxidant enzyme catalyzes the reduction of hydrogen peroxide and hydroperoxides formed from fatty acids, thereby effectively removing toxic peroxides from living cells and protecting them from potential damage by free radicals. The Kit provides a stable and highly reproducible method of quantitating total glutathione peroxidase.

ART. CODE	*NAME*	*SIZE*
0805002	**Total Glutathione Peroxidase Assay Kit**	100 tests

Do you have any question or would you be interested to receive our quotation?
Please contact us by e-mail (sales@helveticahealthcare.com)
or by phone (+41 22 534 94 54)

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The **Glutathione Reductase Assay Kit** provides an indirect and highly reproducible method of quantifying the activity of total cellular glutathione reductase. The activity of the enzyme is an important measure of the antioxidant status of the cell. See kit box label.

ART. CODE	*NAME*	*SIZE*
0805004	Glutathione Reductase Assay Kit	100 tests

ART. CODE	*NAME*	*SIZE*
0801384	**PON Standards -** AA and BB Phenotypes	300 ul

Dinucleotide Standards

ART. CODE	*NAME*	*SIZE*
0801210	**Formamido Guanine Dimer d(P^fpG)**	50 mg at 1.0 OD
0801211	**Formamido Cytidine Dimer d(P^fpC)**	50 mg at 1.0 OD
0801212	**Formamido Thymine Dimer d(P^fpT)**	50 mg at 1.0 OD
0801213	**Formamido Adenine Dimer d(P^fpA)**	50 mg at 1.0 OD
0801214	**Thymine Glycol Guanine Dimer d(T^gpG)**	50 mg at 1.0 OD
0801215	**Thymine Glycol Thymine Dimer d(T^gpT)**	50 mg at 1.0 OD
0801216	**Thymine Glycol Cytidine Dimer d(T^gpC)**	50 mg at 1.0 OD
0801217	**Thymine Glycol Adenine Dimer d(T^gpA)**	50 mg at 1.0 OD

Nucleoside Standards

ART. CODE	*NAME*	*SIZE*
0801219	**8-Oxo-dA**	1 mg
0801220	**8-Oxo-dG*N15**	14.4 ng

All products are for Research Use Only and not for *in vitro* Diagnostic Use
Package Inserts are provided for product evaluation purposes only and are not intended to be used in place of the Package Insert shipped with the product.

Link to the webpage

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