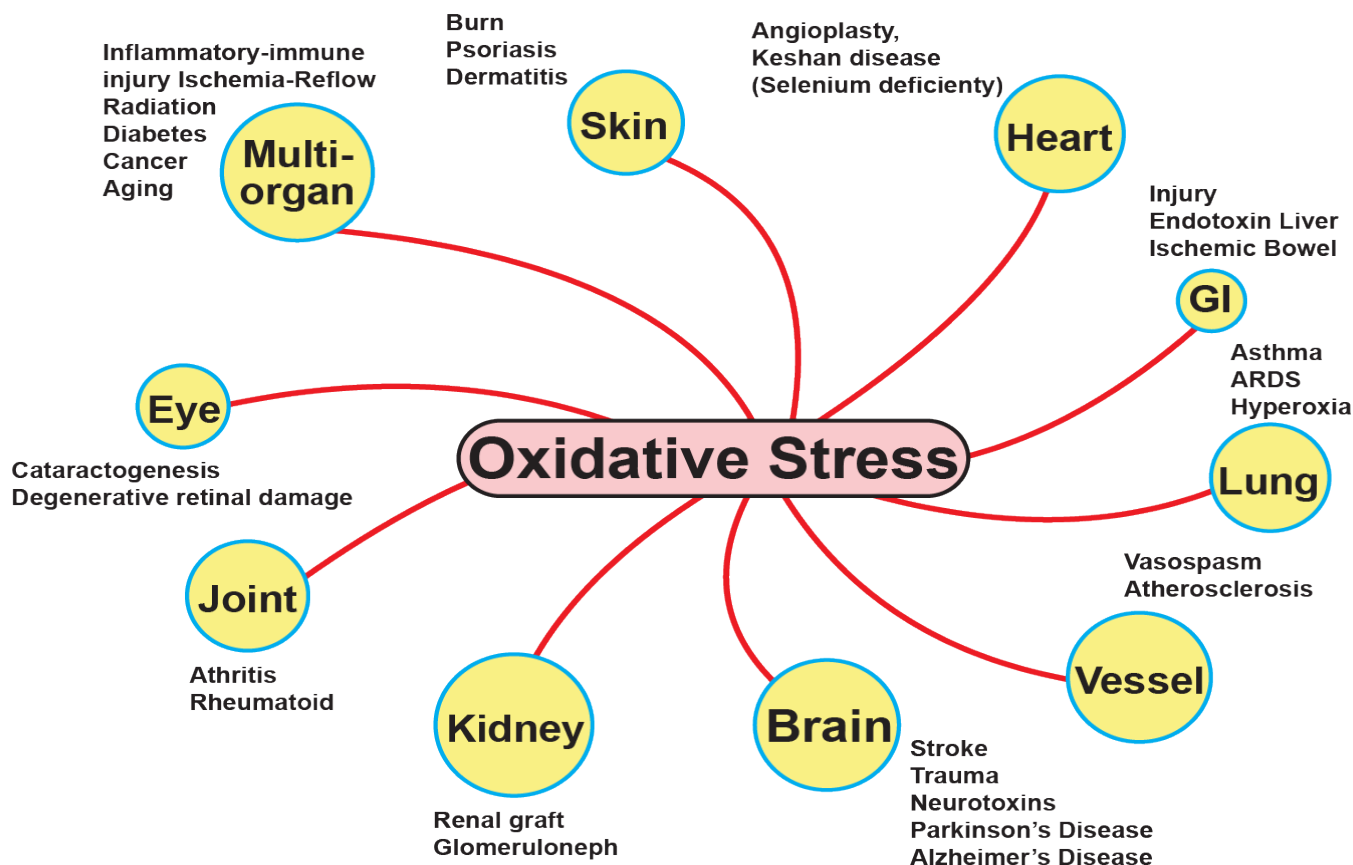


# Cell Damage & Oxidative Stress Assays



**Oxidative stress is often defined as an imbalance of pro-oxidants and antioxidants.** Oxidative stress and the associated damage to cellular lipids, proteins and DNA can contribute to a decline in cellular function, leading to a number of human pathologies. BioVision offers various convenient kits for analyzing transcriptional regulation, DNA damage, oxidative stress, energy transforming and redox state, and more are coming on the pipeline.

## Assay Kits

Product Name	Cat. No.	Size
Acid Phosphatase Cell Cytotoxicity Assay Kit	K937	500 assays
Total Antioxidant Capacity (TAC) Colorimetric Assay Kit	K274	100 assays
L-Arginine Assay Kit (Colorimetric)	K749	100 assays
Ascorbic Acid Colorimetric Assay Kit II (FRASC)	K671	100 assays
Ascorbic Acid Colorimetric/Fluorometric Assay Kit	K661	100 assays
Asparagine Assay Kit (Colorimetric)	K736	100 assays
Cardiolipin Assay Kit (Fluorometric)	K944	100 assays
Catalase Activity Colorimetric/Fluorometric Assay Kit	K773	100 assays
Crystal Violet Cell Cytotoxicity Assay Kit	K329	1000 assays
Cystathionine $\beta$ Synthase Activity Assay Kit (Fluorometric)	K998	100 assays
Cystathionine $\beta$ Synthase Inhibitor Screening Kit (Fluorometric)	K695	100 assays
DNA Damage Quantification Colorimetric Kit	K253	25 assays
Ethanol Colorimetric/Fluorometric Assay Kit	K620	100 assays

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## Assay Kits

Product Name	Cat. No.	Size
Ferric Reducing Antioxidant Power (FRAP) Assay Kit (Colorimetric)	K515	200 assays
Gamma Glutamyl Transferase (GGT) Activity Colorimetric Assay Kit	K784	100 assays
Gamma Glutamyl Transferase (GGT) Activity Fluorometric Assay Kit	K785	100 assays
Glutamate Colorimetric Assay Kit	K629	100 assays
Glutathione (GSH/GSSG/Total) Fluorometric Assay Kit	K264	100 assays
Glutathione Colorimetric Assay Kit	K261	100 assays
Glutathione Fluorometric Assay Kit	K251	100 assays
Glutathione Peroxidase Activity Colorimetric Assay Kit	K762	100 assays
GST Colorimetric Activity Assay Kit	K263	100 assays
GST Fluorometric Activity Assay Kit	K260	100 assays
HAT (H4) Activity Fluorometric Assay Kit	K336	100 assays
HAT Activity Colorimetric Assay Kit	K332	100 assays
HAT Activity Fluorometric Assay Kit	K334	100 assays
HDAC Activity Colorimetric Assay Kit	K331	100 assays
HDAC Activity Fluorometric Assay Kit	K330	100 assays
HDAC Inhibitor Drug Screening Kit (Fluorometric)	K340	100 assays
HDAC-5 Inhibitor Screening Kit (Fluorometric)	K171	100 assays
Human Thioredoxin 1 (Trx1) Inhibitor Screening Kit (Fluorometric)	K535	100 assays
Hydrogen Peroxide Colorimetric/Fluorometric Assay Kit	K265	200 assays
Inosine Fluorometric Assay Kit	K712	100 assays
InSitu HDAC Activity Fluorometric Assay Kit	K339	100 assays
Intracellular Hydrogen Peroxide Detection Kit (cell-based)	K204	200 assays
EZCell™ Intracellular Nitric Oxide Synthase (NOS) Detection Kit	K207	100 assays
LDH-Cytotoxicity Colorimetric Assay Kit	K311	400 assays
LDH-Cytotoxicity Colorimetric Assay Kit II	K313	500 assays
Lipid Peroxidation (MDA) Colorimetric/Fluorometric Assay Kit	K739	100 assays
Lysophosphatidylcholine Assay Kit (Colorimetric/Fluorometric)	K735	100 assays
Malate Colorimetric Assay Kit	K637	100 assays
Monoacylglycerol Lipase (MAGL) Activity Assay Kit (Fluorometric)	K561	100 assays
Myeloperoxidase (MPO) Colorimetric Activity Assay Kit	K744	100 assays
Myeloperoxidase (MPO) Fluorometric Activity Assay Kit	K745	100 assays
Myeloperoxidase (MPO) Inhibitor Screening Kit (Fluorometric)	K746	200 assays
NAD/NADH Quantitation Colorimetric Kit	K337	100 assays
EZScreen™ NAD <sup>+</sup> /NADH Colorimetric Assay Kit (384-well)	K958	400 assays
Nitric Oxide Cell-Based HTS Assay Kit	K979	100 assays
Nitric Oxide Colorimetric Assay Kit	K262	200 assays
Nitric Oxide Fluorometric Assay Kit	K252	200 assays
Nitric Oxide Synthase (NOS) Activity Assay Kit (Colorimetric)	K205	100 assays
Nitric Oxide Synthase (NOS) Activity Assay Kit (Fluorometric)	K206	100 assays
Nitric Oxide Synthase (NOS) Inhibitor Screening Kit (Fluorometric)	K208	100 assays
Nitrite Assay Kit (Griess Reagent)	K544	200, 500, 1000 assays
Paraoxonase 1 (PON1) Activity Assay Kit (Fluorometric)	K999	100 assays
Peroxidase Activity Colorimetric/Fluorometric Assay Kit	K772	100 assays
Phenolic Compounds Assay Kit (Colorimetric)	K527	200 assays
Phosphatidylethanolamine Assay Kit (Fluorometric)	K499	100 assays

## Assay Kits

Product Name	Cat. No.	Size
Phosphatidylserine Assay Kit (Fluorometric)	K565	100 assays
6-Phosphogluconate Dehydrogenase Activity Colorimetric Assay Kit	K540	100 assays
Phospho-p38 MAPK (Thr <sup>180</sup> +Tyr <sup>182</sup> ) Translocation Assay Kit (Cell-Based)	K965	100 assays
PicoProbe™ Phosphatidic Acid Assay Kit (Fluorometric)	K748	100 assays
PicoProbe™ Glutamate Assay Kit (Fluorometric)	K413	100 assays
Proteasome Activity Fluorometric Assay Kit	K245	100 assays
Protein Disulfide Isomerases (PDI) Inhibitor Screening Kit (Fluorometric)	K840	100 assays
Reactive Oxygen Species (ROS) Detection Assay Kit	K936	100, 250 assays
SIRT2 Inhibitor Screening Assay Kit (Fluorometric)	K322	100 assays
Sulforhodamine B Cell Cytotoxicity Assay Kit (Colorimetric)	K943	1000 assays
Superoxide Dismutase (SOD) Activity Colorimetric Assay Kit	K335	100 assays
Thioredoxin Reductase Activity Colorimetric Assay Kit	K763	100 assays
Uric Acid Colorimetric/Fluorometric Assay Kit	K608	100 assays
Xanthine Oxidase Activity Colorimetric/Fluorometric Assay Kit	K710	100 assays
Xanthine/Hypoxanthine Colorimetric/Fluorometric Assay Kit	K685	100 assays

## ELISA Kits

Product Name	Cat. No.	Size
Aflatoxin B1 (AFB1) ELISA Kit	K4208	100 assays
Aldehyde Dehydrogenase, Mitochondrial (ALDH2)(Human) ELISA Kit	E4587	100 assays
AMPK (Human) ELISA Kit	E4280	100 assays
Cathepsin G (CTSG) (Human) ELISA Kit	E4639	100 assays
Cathepsin G (CTSG) (Rat) ELISA Kit	E4640	100 assays
Fluoroquinolones ELISA Kit	K4205	100 assays
Gentamicin ELISA Kit	K4206	100 assays
Glutathione peroxidase 1 (Human) ELISA Kit	K4225	100 assays
Glutathione Reductase (GR)(Human) ELISA Kit	E4623	100 assays
Glutathione Reductase (GR)(rat) ELISA Kit	E4625	100 assays
Glutathione Reductase, mitochondrial (Mouse) ELISA Kit	E4624	100 assays
HIF-1 alpha (Human) ELISA Kit	E4285	100 assays
4-Hydroxynonenal (4-HNE) ELISA Kit	E4645	100 assays
Kanamycin ELISA Kit	K4210	100 assays
Melatonin ELISA Kit	E4630	100 assays
MGMT (Human) ELISA Kit	K4196	100 assays
Monoacylglycerol Lipase Inhibitor Screening Kit (Fluorometric)	K474	100 assays
Myeloperoxidase (MPO)(Human) ELISA Kit	E4579	100 assays
Myeloperoxidase (MPO)(Mouse) ELISA Kit	E4580	100 assays
Myeloperoxidase (MPO)(Rat) ELISA Kit	E4581	100 assays
Neutral Red Cell Cytotoxicity Assay Kit	K447	1000 assays
NOS2 / iNOS (Human) ELISA Kit	E4648	96 assays
NOS2 / iNOS (mouse) ELISA Kit	E4691	96 assays
NOS2 / iNOS (Rat) ELISA Kit	E4649	96 assays
NOS3 / eNOS (Human) ELISA Kit	E4650	96 assays
NOS3 / eNOS (Mouse) ELISA Kit	E4651	96 assays
NOS3 / eNOS (Rat) ELISA Kit	E4652	96 assays

## ELISA Kits

Product Name	Cat. No.	Size
NQO1 (human intracellular) ELISA Kit	K4926	100 assays
8-oxoguanine DNA glycosylase (OGG1)(Human) ELISA Kit	E4632	100 assays
p53 (human) ELISA Kit	K4829	100 assays
PARP1 (Human) ELISA Kit	K4218	100 assays
Platelet Activating Factor (PAF) ELISA Kit	E4631	100 assays
Quinolone ELISA Kit	E4530	100 assays
Salbutamol (SALB) ELISA Kit	K4209	100 assays
Soluble Epoxide Hydrolase Activity Assay Kit (Fluorometric)	K477	100 assays
Soluble Epoxide Hydrolase Inhibitor Screening Kit (Fluorometric)	K480	100 assays
Sulfonamides residue ELISA Kit	K4207	100 assays
Superoxide Dismutase 1 (SOD1)(Human) ELISA Kit	E4582	100 assays
Superoxide Dismutase 1 (SOD1)(Mouse) ELISA Kit	E4583	100 assays
Superoxide Dismutase 1 (SOD1)(Rat) ELISA Kit	E4584	100 assays
Vitamin D3 (human) ELISA kit	K4806	100 assays

## Glutathione & Related Products

Product Name	Cat. No.	Size
EZCell™ Glutathione Detection Kit (Blue Fluorescence)	K504	100 assays
Glutathione Peroxidase Activity Colorimetric Assay Kit	K762	100 assays
Glutathione Reductase (GR)(Human) ELISA Kit	E4623	100 assays
Glutathione Reductase (GR)(rat) ELISA Kit	E4625	100 assays
Glutathione Reductase Activity Colorimetric Assay Kit	K761	200 assays
Glutathione Reductase, mitochondrial (Mouse) ELISA Kit	E4624	100 assays
GST Colorimetric Activity Assay Kit	K263	100 assays
Methylglyoxal Assay Kit (Colorimetric)	K500	100 assays
PicoProbe™ Methylglyoxal Assay Kit (Fluorometric)	K461	100 assays
Reduced Glutathione (GSH) Assay Kit (Colorimetric)	K464	100 assays
PicoProbe™ Reduced Glutathione (GSH) Assay Kit (Fluorometric)	K740	100 assays

## Other Related Products

Product Name	Cat. No.	Size
Homocysteine ELISA Kit	E4543	100 assays

Visit our website [www.BioVision.com](http://www.BioVision.com) for a comprehensive overview on these products!