

OXIDATIVE STRESS



Oxidative stress is an imbalance between reactive oxygen species (ROS) production and elimination by antioxidant defenses. ROS can damage critical cellular structural and functional biomarkers when left unchecked. Damage caused by oxidative stress has been implicated in various diseases, including Parkinson's Disease and Alzheimer's Disease.

Arbor Assays Advantages

- ✓ Kits are always in-stock and ready to ship
- ✓ High quality reagents, manufactured in Ann Arbor, MI USA
- ✓ Consistent, rapids results
- ✓ Easy-to-follow protocols

DetectX® Oxidative Stress Assay Kits

K033-H	Catalase Colorimetric Activity
K035-H	Ceruloplasmin Colorimetric Activity
K059-H	DNA Damage ELISA
K001-F	Formaldehyde Fluorescent Detection
K043-H	FRAP™ (Ferric Reducing Antioxidant Power) Detection
K006-H	Glutathione (GSH) Colorimetric Detection
K006-F	Glutathione (GSH) Fluorescent Detection
K009-F	Glutathione Reductase (GR) Fluorescent Activity
K013-H	Hemoglobin Colorimetric Detection
K013-HX	Hemoglobin High Sensitivity Colorimetric Detection
K034-H	Hydrogen Peroxide (H ₂ O ₂) Colorimetric Detection
K034-F	Hydrogen Peroxide (H ₂ O ₂) Fluorescent Detection
K023-H	Nitric Oxide (NO) Colorimetric Detection
K028-H	Superoxide Dismutase (SOD) Activity
K077-H	TBARS/MDA Universal Colorimetric Detection
K005-F	Thiol Fluorescent Detection

Featured DetectX® Oxidative Stress Kits

Glutathione (GSH) Detection Kit

- Measures GSH, GSSG, and total GSH
- 30-minute assay time
- Colorimetric and Fluorescent formats available

Superoxide Dismutase Activity Kit (SOD)

- Measures all SOD activity including Cu/Zn-SOD, Mn-SOD, and Fe-SOD
- 20-minute assay time
- Identical across species

Catalase Fluorescent Activity Kit

- 45-minute assay time
- Identical across species
- Colorimetric and Fluorescent formats available

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