

Featured Metabolism Assay Kits

Elabscience® provides a comprehensive selection of over 100 specialized assay kits for multiple cell metabolic research areas including oxidative stress, cell death, energy metabolism, and plant metabolism. Our kits are meticulously designed to assist researchers in swiftly achieving precise and reproducible outcomes.

Multiple Research Fields



Covering oxidative stress, energy metabolism, and 10+ additional fields of research

Exclusive Biomarker Assay



Pioneering assays for GPX4, selenium, and cell Cu^{2+} levels

High Stability



A 12-month shelf life to ensure consistency

Excellent Compatibility



Suitable for various sample types using existing lab equipment

Featured Indicators



Oxidative Stress

TAS
TOS



Inorganic Ions

Selenium
Potassium



Plant Physiology Series

APX
Trehalose



Energy Metabolism

FAO
Acetyl-CoA



Amino Acids and Proteins

GABA
T-AA



Glycolysis & Lipid Metabolism

HMGR
PLC



Ferroptosis

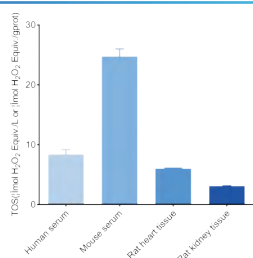
FSP-1
Cystine Uptake



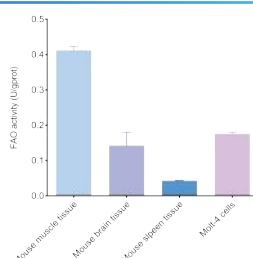
Liver & Renal Function

CYP2D6
TBA

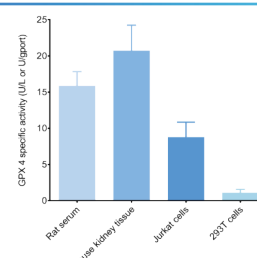
Demonstrated Results



Total Oxidant Status (TOS)
Assay Kit (E-BC-K802-M)



Fatty Acid Oxidation (FAO)
Assay Kit (E-BC-K784-M)



Glutathione Peroxidase 4 (GPX4)
Activity Assay Kit (E-BC-K883-M)

Featured Products

Research Area	Cat. No.	Product Name	Size	Price
Energy Metabolism	E-BC-F046	Acetyl Coenzyme A (Acetyl-CoA) Fluorometric Assay Kit	48 T/96 T	\$580/\$820
	E-BC-K083-M	α -Ketoglutarate Dehydrogenase (α -KGDH) Activity Assay Kit	96 T	\$360
	E-BC-K784-M	Fatty Acid Oxidation (FAO) Colorimetric Assay Kit	96 T	\$560
Ferroptosis	E-BC-F022	Ferroptosis Suppressor Protein-1 (FSP-1) Activity Fluorometric Assay Kit	96 T	\$520
	E-BC-K881-M	Cell Ferrous Iron Colorimetric Assay Kit	48 T/96 T	\$200/\$300
	E-BC-K883-M	Glutathione Peroxidase 4 (GPX4) Activity Assay Kit	48 T/96 T	\$342/\$512
Glycolysis & Lipid Metabolism	E-BC-K792-M	Free Fatty Acids Colorimetric Assay Kit	48 T/96 T	\$360/\$510
	E-BC-K795-M	3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Activity Colorimetric Assay Kit	48 T/96 T	\$460/\$640
Inorganic Ions	E-BC-K776-M	Selenium Colorimetric Assay Kit	48 T/96 T	\$260/\$380
Oxidative Stress	E-BC-K801-M	Total Antioxidant Status (TAS) Colorimetric Assay Kit	48 T/96 T	\$100/\$150
	E-BC-K802-M	Total Oxidant Status (TOS) Colorimetric Assay Kit	48 T/96 T	\$100/\$150
Plant Physiology Series	E-BC-K353-S	Ascorbate Peroxidase Activity Assay Kit	50 Assays/100 Assays	\$220/\$320
	E-BC-K754-M	Trehalose Colorimetric Assay Kit	96 T	\$360
	E-BC-K861-M	Lipoxygenase (LOX) Activity Assay Kit	48 T/96 T	\$252/\$380

Q For more related products, please visit www.elabscience.com or contact local distributors.

Published Products

Target	Cat. No.	Citation Information	Citation Count
APX	E-BC-K353-S	Lee HY, Back K. Melatonin induction and its role in high light stress tolerance in <i>Arabidopsis thaliana</i> . <i>Journal of Pineal Research</i> , 2018.	7
Fe ²⁺	E-BC-F101	Liu Z, Liu C, Fan C, et al. E3 ubiquitin ligase DTX2 fosters ferroptosis resistance via suppressing NCOA4-mediated ferritinophagy in non-small cell lung cancer. <i>Drug Resistance Updates</i> , 2024.	94
FFA	E-BC-K013-M	Tao L, Yang X, Ge C, et al. Integrative clinical and preclinical studies identify FerroTerminator1 as a potent therapeutic drug for MASH. <i>Cell Metabolism</i> , 2024.	31
K ⁺	E-BC-K279-M	Zeng B, Huang Y, Chen S, et al. Dextran sodium sulfate potentiates NLRP3 inflammasome activation by modulating the KCa3.1 potassium channel in a mouse model of colitis. <i>Cellular & Molecular Immunology</i> , 2022.	29
Pro	E-BC-K177-M	Tyagi W, Das S. Temporal regulation of acetylation status determines PARP1 role in DNA damage response and metabolic homeostasis. <i>Science Advances</i> , 2024.	2
TAS	E-BC-K801-M	Kmio ek T, Filipowicz G, Bogucka D, et al. Aging and the impact of global DNA methylation, telomere shortening, and total oxidative status on sarcopenia and frailty syndrome. <i>Immunity & Ageing</i> , 2023.	31

Q For more citation information, please visit www.elabscience.com.

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