

Superior Biochemical Kits

Accelerate Your Biochemical Experiments with Our Superior Biochemical Kits

Highlights of Elabscience Biochemical Kits

Flexible Selections

- **Various detection methods:** Colorimetry, Fluorometry, Turbidimetry.
- **Wide applications:** detection of functional protein/metabolite/vitamin/ion content, enzyme activity, etc.
- **Multiple sample types:** serum, plasma, cultured cells, plant and animal tissues, etc., no limit to species.
- **Diversified instruments:** Microplate reader, Spectrophotometer, Biochemical analyzer.

Superior Performance

- **Good reproducibility:** intra-CV<5%, inter-CV<5%, recovery rate is 100±5%.
- **Excellent stability:** the kits can be stable for up to 6 months at 2~8°C .
- **Simple and fast operation:** 50 samples can be detected within 1 hour.

Elabscience Extensive Biochemical Kits

Enzyme	T-SOD, GSH-ST, GSH-Px, CAT, LDH, CK, ALT, AST, POD, LDH1, ATPase, CHE, A-CHE, ALP, ACP, MPO, LPS, GR, XOD, γ-GT, H ⁺ K ⁺ -ATPase, PPO, APX, α-HBDH, NCR
Oxidative stress	MDA, CAT, GSH, VC, VE, NO, MPO, T-GSH/GSSG, H ₂ O ₂ , ROS, LPO, T-AOC, TBARS, -SH, XOD, POD, T-SOD, GR, LDH, GRAC, APX, GSH-Px, Protein Carbonyl
Liver biomarker	ALT, AST, ALB, TP, ALP, TBA, D-BIL, LDH, GSH-ST, γ-GT, 5'-NT
Lipid metabolism	NEFA, MDA, LPS, TC, TG, TBA, LPO, LDL-C, HDL-C, TBARS
Amino acid protein	T-AA, ALB, Hyp, TP, Fhb, Hcy, Pro, Cys, MetHb
Glycolysis	LA, LDH, G-6-PD, Glu, ATP, Maltase, Glycogen, Pyruvic Acid, Lactase, Sucrase, Fructose, Sucrose
Inorganic salt ion	TIBC, Zn, Fe, NH ₃ , Mg, Cl, K, Cu, Na, Pi, Ca, Nitrite
TCA cycle	CA, α-KGDH
Renal biomarker	UA, Cr, Urea
Plant stress resistance	Pro, Plant Flavonoids, Total Phenols
Others	SA, ALC, H ₂ S

Best Sellers of Biochemical Kits

Cat. No.	Product Name
E-BC-K020	Superoxide Dismutase (T-SOD) Colorimetric Assay Kit (WST-1 method)
E-BC-K031	Catalase (CAT) Colorimetric Assay Kit
E-BC-K025	Malondialdehyde (MDA) Colorimetric Assay Kit (TBA method)
E-BC-K096	Glutathione Peroxidase (GSH-Px) Colorimetric Assay Kit
E-BC-K219	Total antioxidant capacity (T-AOC) Colorimetric Assay Kit (ABTS rapid method)
E-BC-K279	Potassium (K) Turbidimetric Assay Kit
E-BC-K036	Nitric Oxide (NO) Colorimetric Assay Kit
E-BC-K238	Triglyceride (TG) Colorimetric Assay Kit (Single reagent, GPO-PAP Method)
E-BC-K097	Total Glutathione (T-GSH)/Oxidized Glutathione (GSSG) Colorimetric Assay Kit
E-BC-K235	Alanine Aminotransferase (ALT/GPT) Colorimetric Assay Kit (Reitman-Frankel method)

Publications Citing Use of Elabscience Biochemical Kits

Cat. No.	Target	Publication
E-BC-K353	Ascorbate Peroxidase (APX)	Lee H Y, Back K. Melatonin Induction and Its Role in High Light Stress Tolerance in <i>Arabidopsis thaliana</i> [J]. Journal of Pineal Research, 2018.
E-BC-K096	Glutathione Peroxidase (GSH-Px)	Marzocco S, Fazeli G, Di Micco L, et al. Supplementation of Short-Chain Fatty Acid, Sodium Propionate, in Patients on Maintenance Hemodialysis: Beneficial Effects on Inflammatory Parameters and Gut-Derived Uremic Toxins, A Pilot Study (PLAN Study)[J]. Journal of Clinical Medicine, 2018.
E-BC-K102	Hydrogen Peroxide (H ₂ O ₂)	Li D, Zhang D, Tang B, et al. Exosomes from Human Umbilical Cord Mesenchymal Stem Cells Reduce Damage from Oxidative Stress and the Epithelial-Mesenchymal Transition in Renal Epithelial Cells Exposed to Oxalate and Calcium Oxalate Monohydrate[J]. Stem Cells International, 2019.
E-BC-K020	Superoxide Dismutase (T-SOD)	Bhattacharjee A, Rahaman S H, Saha S, et al. Determination of Half Maximal Inhibitory Concentration of CaAl Layered Double Hydroxide on Cancer Cells and Its Role in the Apoptotic Pathway[J]. Applied Clay Science, 2019.
E-BC-K143	Homocysteine (Hcy)	Kumar S, Ivanov S, Lagunin A, et al. Attenuation of Hyperhomocysteinemia Induced Vascular Dementia by Sodium Orthovanadate Perhaps via PTP1B: Pertinent Downstream Outcomes[J]. Behavioural Brain Research, 2019.
E-BC-K020 E-BC-K096 E-BC-K031	Superoxide Dismutase (T-SOD) Glutathione Peroxidase (GSH-Px) Catalase (CAT)	Marcus A J, Iezhitsa I, Agarwal R, et al. Intraocular Pressure-Lowering Effects of Imidazo [1, 2- α] and Pyrimido [1, 2- α] Benzimidazole Compounds in Rats with Dexamethasone-Induced Ocular Hypertension[J]. European Journal of Pharmacology, 2019.
E-BC-K020 E-BC-K096	Superoxide Dismutase (T-SOD) Glutathione Peroxidase (GSH-Px)	Siboto A, Sibiya N, Khathi A, et al. The Effects of Momordica Balsamina Methanolic Extract on Kidney Function in STZ-Induced Diabetic Rats: Effects on Selected Metabolic Markers[J]. Journal of Diabetes Research, 2018.
E-BC-K046 E-BC-K558	Lactate Dehydrogenase (LDH) Creatine Kinase (CK)	Cui Y, Wang Y, Liu G. Protective Effect of Barbaloin in a Rat Model of Myocardial Ischemia Reperfusion Injury Through the Regulation of the C/EBP β -PERK Pathway[J]. International Journal of Molecular Medicine, 2019.
E-BC-K036	Nitric Oxide (NO)	Wang X, Tan Y, Xu B, et al. GPR30 Attenuates Myocardial Fibrosis in Diabetic Ovariectomized Female Rats: Role of iNOS Signaling[J]. DNA and Cell Biology, 2018.
E-BC-K318	Total Protein (TP)	Yin X, Zhao J, Jiang H, et al. Impact of Xenon on CLIC4 and Bcl-2 Expression in Lipopolysaccharide and Hypoxia-Ischemia-Induced Periventricular White Matter Damage[J]. Neonatology, 2018.
E-BC-K096	Glutathione Peroxidase (GSH-Px)	Kim J, Choung S Y. Pinus densiflora Bark Extract Prevents Selenite-induced Cataract Formation In The Lens Of Sprague Dawley Rat Pups[J]. Molecular Vision, 2017.
E-BC-K355	H ₂ S	Yilmaz E, Kaya-Sezginer E, Yilmaz-Oral D, et al. Effects of Hydrogen Sulphide Donor, Sodium Hydrosulphide Treatment on the Erectile Dysfunction in L-NAME-induced Hypertensive Rats[J]. Andrologia, 2019.
E-BC-K096 E-BC-K019	Glutathione Peroxidase (GSH-Px) Superoxide Dismutase (T-SOD)	Bilgic Y, Akbulut S, Aksungur Z, et al. Protective Effect of Dexpanthenol Against Cisplatin-induced Hepatotoxicity[J]. Experimental and Therapeutic Medicine, 2018.
E-BC-K318	Total Protein (TP)	Uysal N, Yuksel O, Kizildag S, et al. Regular Aerobic Exercise Correlates with Reduced Anxiety and Increased Levels of Irisin in Brain and White Adipose Tissue[J]. Neuroscience Letters, 2018.