



BioVision 是位於舊金山灣區的生技公司，多年來不斷開發各式分析試劑用於細胞凋亡、代謝、細胞增生、細胞損傷與修復、基因調控、訊息傳導、幹細胞等等相關研究，並行銷世界 60 餘國。BioVision 提供各式分析試劑套組、抗體、重組蛋白與化學藥品，協助客戶在各項細胞相關研究的實驗進展。

## Cell Damage & Oxidative Stress assay kit

Oxidative stress 是指當細胞或組織內存在活性氧化物與生物體解毒能力間的不平衡，造成組織或細胞無法修復損傷的細胞緊迫。所有的生物體都會讓細胞維持在還原的環境，而還原環境是透過還

原酵素不斷透過代謝所產生的能量維持還原的狀態。當細胞無法維持還原環境時，過氧化物或自由基會破壞細胞內的所有物質(包括蛋白質、脂質與 DNA)而造成細胞毒性，氧化物會阻擾細胞內的氧化還原信號，也會切斷正常細胞的訊息傳導路徑。

Oxidative stress 通常會導致數種疾病，常見的包括：帕金森氏症、阿茨海默症、動脈硬化、心臟衰竭、心肌梗塞、染色體易脆症、鎌刀型貧血症、口腔扁平苔蘚症、慢性疲勞症候群等等。

BioVision 提供各種 oxidative stress 相關的分析套組、抗體及抗氧化劑等等，協助客戶進行 oxidative stress 相關研究。

Product	Cat. #	Size	Product	Cat. #	Size
ApoSENSOR™ ADP/ATP Ratio Assay Kit	K255-200	200 assays	Ammonia Assay Kit II (Modified Berthelot)	K470-100	100 assays
ADP Colorimetric/Fluorometric Assay Kit	K355-100	100 assays	Total Antioxidant Capacity (TAC) Assay Kit	K274-100	100 assays
Alcohol Dehydrogenase Activity Assay Kit	K787-100	100 assays	Ascorbic Acid Assay Kit	K661-100	100 assays
PicoProbe™ Aldehyde Dehydrogenase Activity Assay Kit	K741-100	100 assays	Ascorbic Acid Assay Kit II (FRASC)	K671-100	100 assays
Aldehyde Dehydrogenase Activity Colorimetric Assay Kit	K731-100	100 assays	StayBrite™ Highly Stable ATP Assay Kit	K791-100 K791-1000	100 assays 1000 assays
Ammonia Assay Kit	K370-100	100 assays	ATP Colorimetric/Fluorometric Assay Kit	K354-100	100 assays

Product	Cat. #	Size
Catalase Activity Assay Kit	K773-100	100 assays
L-Carnitine Assay Kit	K642-100	100 assays
Creatine Assay Kit	K635-100	100 assays
Creatinine Assay Kit	K625-100	100 assays
DNA Damage Quantification Kit	K523-25	25 assays
DPP4 Activity Assay Kit	K779-100	100 assays
DPP4 Inhibitor Screening Kit	K780-100	100 assays
Ethanol Assay Kit	K620-100	100 assays
FAD Assay Kit	K357-100	100 assays
Formate Assay Kit	K653-100	100 assays
Fumarate Assay Kit	K633-100	100 assays
Gamma Glutamyl Transferase (GGT) Activity Colorimetric Assay Kit	K784-100	100 assays
Gamma Glutamyl Transferase (GGT) Activity Fluorometric Assay Kit	K785-100	100 assays
Glutamate Assay Kit	K629-100	100 assays
Glutamate Dehydrogenase (GDH) Activity Assay Kit	K729-100	100 assays
Glutathione (GSH/GSSG/Total) Assay Kit	K264-100	100 assays
Glutathione Colorimetric Detection Kit	K261-100	100 assays
Glutathione Fluorometric Detection Kit	K251-100	100 assays
Glutathione Peroxidase Activity Assay Kit	K762-100	100 assays

Product	Cat. #	Size	Product	Cat. #	Size
Glutathione Reductase Activity Assay Kit	K761-100	100 assays	HDAC Inhibitor Drug Screening Kit	K340-100	100 assays
GST Colorimetric Activity Assay Kit	K263-100	100 assays	HDAC8 Activity Assay Kit	K348-100	100 assays
GST Fluorometric Activity Assay Kit	K260-100	100 assays	Hemin Assay Kit	K672-100	100 assays
HAT Activity Assay Kit	K332-100	100 assays	Hydrogen Peroxide Assay Kit	K265-100	100 assays
InSitu HDAC Activity Fluorometric Assay Kit	K339-100	100 assays	Inosine Assay Kit	K712-100	100 assays
HDAC Colorimetric Activity Assay Kit	K331-100	100 assays	Iron Assay Kit	K390-100	100 assays
HDAC Fluorometric Activity Assay Kit	K330-100	100 assays	Isocitrate Assay Kit	K656-100	100 assays

Product	Cat. #	Size
Isocitrate Dehydrogenase Activity Assay Kit	K756-100	100 assays
Alpha-Ketoglutarate Assay Kit	K677-100	100 assays
Lactate Assay Kit	K607-100	100 assays
Lactate Assay Kit II	K627-100	100 assays
Lactate Dehydrogenase (LDH) Activity Assay Kit	K726-500	500 assays
Lipid Peroxidation (MDA) Assay Kit	K739-100	100 assays
Magnesium Assay Kit	K385-100	100 assays
Malate Assay Kit	K637-100	100 assays
MMP-1 Inhibitor Screening Kit	K794-100	100 assays
MMP-3 Activity Assay Kit	K783-100	100 assays
MMP-3 Inhibitor Screening Kit	K793-100	100 assays
Myeloperoxidase (MPO) Colorimetric Activity Assay Kit	K744-100	100 assays
Myeloperoxidase (MPO) Fluorometric Activity Assay Kit	K745-100	100 assays
NAD/NADH Quantitation Kit	K337-100	100 assays
NADP/NADPH Quantitation Kit	K347-100	100 assays
Neutrophil Elastase Inhibitor Screening Kit	K782-100	100 assays
Nickel Assay Kit	K510-100	100 assays
Nitric Oxide Colorimetric Assay Kit	K262-100	100 assays
Nitric Oxide Fluorometric Assay Kit	K252-100	100 assays
NQO1 (human intracellular) ELISA Kit	K4926-100	100 assays
Oxaloacetate Assay Kit	K659-100	100 assays
PAH (p-Aminohippuric Acid) Assay Kit	K860-100	100 assays
Peroxidase Activity Assay Kit	K772-100	100 assays
Protease Activity Assay Kit	K781-100	100 assays
Protein Carbonyl Content Assay Kit	K830-100	100 assays
Sarcosine Assay Kit	K636-100	100 assays
Sialic Acid (NANA) Assay Kit	K566-100	100 assays
Beta-Secretase Activity Assay Kit	K360-100	100 assays
SIRT2 Inhibitor Screening Assay Kit	K322-100	100 assays
SOD Activity Assay Kit	K335-100	100 assays
Thioredoxin Reductase Assay Kit	K763-100	100 assays
Thioredoxin Reductase Activity Assay Kit	K763-100	100 assays
Urea Assay Kit	K375-100	100 assays
Uric Acid Assay Kit	K608-100	100 assays
Xanthine Oxidase Activity Assay Kit	K710-100	100 assays