

Cell Health and Viability Assays

Cayman offers a range of related cell-based assays to monitor the life and death of cells. Whether assessing proliferative activity, cell viability, mitochondrial function, cell cycle phase, cell toxicity, or apoptosis, our kits provide a convenient means to help you attain fast, accurate results.

Apoptosis

Item No.	Product Name	Measure	Readout	Time to Results
601410	Annexin V APC Assay Kit	Cultured cell apoptosis/necrosis	Flow cytometer	30 minute staining protocol
600300	Annexin V FITC Assay Kit	Cultured cell apoptosis/necrosis	Flow cytometer Fluorescence microscope	30 minute staining protocol
601420	Annexin V PE Assay Kit	Cultured cell apoptosis/necrosis	Flow cytometer	30 minute staining protocol
10009135	Caspase-3/7 Fluorescence Assay Kit	Caspase-3/7 activity in cultured cells	Fluorescence plate reader	2 hours
601360	Early Apoptosis Detection Assay Kit	Four distinct events including early-stage apoptosis	Flow cytometer	30 minute staining protocol
600360	Glutathione Cell-Based Detection Kit (Blue Fluorescence)	Intracellular GSH levels as an early marker of apoptosis	Fluorescence microscope Fluorescence plate reader	2 hours
10009172	JC-1 Mitochondrial Membrane Potential Assay Kit	Mitochondrial membrane potential	Flow cytometer Fluorescence microscope Fluorescence plate reader	<1 hour staining protocol
601430	Mitochondrial PT Pore Assay Kit	Simultaneous mitochondrial membrane integrity and membrane potential	Flow cytometer Fluorescence microscope	15 minute staining protocol
601280	Multi-Parameter Apoptosis Assay Kit	Four distinct apoptotic events	Flow cytometer Fluorescence microscope	<1 hour staining protocol
701310	TMRE Mitochondrial Membrane Potential Assay Kit	Mitochondrial membrane potential	Fluorescence plate reader	<1 hour staining protocol

Cell Proliferation

Item No.	Product Name	Measure	Readout	Time to Results
10009349	Cell Cycle Phase Determination Kit	Cell cycle progression	Flow cytometer	~3 hours
10009853	CFSE Cell Division Assay Kit	Up to eight cell divisions in activated lymphocytes	Flow cytometer	<2 hour staining protocol
10009365	MTT Cell Proliferation Assay Kit	Cell viability and proliferation in cultured cells	Colorimetric plate reader	8-22 hours
10008883	WST-1 Cell Proliferation Assay Kit	Cell viability and proliferation in cultured cells	Colorimetric plate reader	2-4 hours
10010199	WST-8 Cell Proliferation Assay Kit	Cell viability and proliferation in cultured cells	Colorimetric plate reader	2-4 hours
10010200	XTT Cell Proliferation Assay Kit	Cell viability and proliferation in cultured cells	Colorimetric plate reader	~4 hours

View a complete list of our [assay kits](http://www.caymanchem.com) at www.caymanchem.com

Cell Health and Viability Assays

Cytotoxicity

Item No.	Product Name	Measure	Readout	Time to Results
600120	7-AAD/CFSE Cell-Mediated Cytotoxicity Assay Kit	Cytotoxicity in immune effector cells	Flow cytometer	6-7 hours
700410	ATP Detection Assay Kit - Luminescence	Total ATP levels in cell lysates	Luminescence plate reader	<30 minutes
600140	Autophagy/Cytotoxicity Dual Staining Kit	Regulation of autophagy and cytotoxicity in cultured cells	Fluorescence microscope Fluorescence plate reader	20 minute staining protocol
601170	LDH Cytotoxicity Assay Kit	Drug-induced cytotoxicity in cultured cells	Colorimetric plate reader	30 minute reaction

Mitochondrial Function

Item No.	Product Name	Measure	Readout	Time to Results
701040	MitoCheck® Citrate Synthase Activity Assay Kit	Citrate synthase activity in isolated mitochondria, tissue, or cell homogenate	Colorimetric plate reader	20 minutes
700930	MitoCheck® Complex I Activity Assay Kit	Complex I activity in isolated mitochondria	Colorimetric plate reader	15 minutes
700940	MitoCheck® Complex II Activity Assay Kit	Complex II activity in isolated mitochondria	Colorimetric plate reader	15 minutes
700950	MitoCheck® Complex II/III Activity Assay Kit	Complex II/III activity in isolated mitochondria	Colorimetric plate reader	15 minutes
700990	MitoCheck® Complex IV Activity Assay Kit	Complex IV activity in isolated mitochondria	Colorimetric plate reader	15 minutes
701000	MitoCheck® Complex V Activity Assay Kit	Complex V activity in isolated mitochondria	Colorimetric plate reader	30 minutes
701170	MitoCheck® Mitochondrial OCR Assay Kit	OCR directly in isolated mitochondria	Fluorescence plate reader	~2 hours
601450	Mito Stress Test (ACU format)	Simultaneous OCR and ECA	Microplate reader with ACU	3 hours
601060	Oxygen Consumption/Glycolysis Dual Assay Kit	OCR and glycolysis in whole cells	Fluorescence plate reader	~2.5 hours
600880	Oxygen Consumption/MitoMembrane Potential Dual Assay Kit	OCR and mitochondrial membrane potential in whole cells	Fluorescence plate reader	~2.5 hours
600800	Oxygen Consumption Rate Assay Kit (MitoXpress® Xtra HS Method)	OCR in whole cells	Fluorescence plate reader	~2 hours
601290	ROS Detection Cell-Based Assay Kit (DHE)	ROS in living cells	Flow cytometer Fluorescence plate reader	~1.5 hours

View a complete list of our [assay kits at www.caymanchem.com](http://www.caymanchem.com)

Distributed by:



In Italy: Vinci-Biochem Srl
 Contatto diretto: tel. 0571 568 147
 vb@vincibiochem.it
 www.vincibiochem.it