

Simple and Effective Assays for Basic Research

Cell Health

- **MTT, WST-1, WST-8, and XTT Assays** - measure cell viability and/or proliferation using these widely accepted and published tetrazolium salt-based assays
- **Cell Cycle Phase Determination Assay** - determines the percentage of cells in a given sample that are within G₁/G₀, G₂, or S phase at the time of fixation, as well as to quantify cells in the sub-G₁ phase prior to apoptosis
- **LDH Cytotoxicity Assay** - measures cell death in response to chemical compounds or environmental factors in an easy two-step assay

Metabolism

- **Glucose Colorimetric Assay** - an affordable and sensitive assay for measuring glucose in biological fluids
- **Triglyceride Assay** - an easy-to-use, reproducible, and sensitive tool for assaying triglycerides in plasma and serum
- **Cholesterol Fluorometric Assay** - a simple and sensitive fluorometric assay for the quantitation of cholesterol in serum and plasma
- **Uric Acid Assay** - a fluorescence-based assay for detecting uric acid in serum, plasma, and urine
- **Calcium Assay** - a quick, reliable, colorimetric assay for determining total calcium concentration in a variety of biological samples

Standardization & Monitoring

- **Malachite Green Assay** - a fast, reproducible, colorimetric method for measuring inorganic free phosphate in aqueous solutions
- **Protein Determination Assay** - a colorimetric assay for rapid total protein quantification
- **Creatinine Assays** - quickly and accurately measure creatinine to standardize your samples
- **His-Tag Detection Assay** - quickly monitor expression and purification efficiencies in protein systems

Product Information

Cell Health Assays

Item No.	Item Name	Compatible Sample Types	Assay Duration	Detection Method	Bulk Available
10009349	Cell Cycle Phase Determination	Cell Culture	3 hours	Flow Cytometer - 488 nm excitation laser	Y
601170	LDH Cytotoxicity Assay	Cell Culture	1 hour	Colorimetric - 490-520 nm filter	Y
10009365	MTT Cell Proliferation Assay	Cell Culture	3-4 hours	Colorimetric - 570 nm filter	Y
10008883	WST-1 Cell Proliferation Assay	Cell Culture	2-4 hours	Colorimetric - 450 nm filter	Y
10010199	WST-8 Cell Proliferation Assay	Cell Culture	2-4 hours	Colorimetric - 450 nm filter	Y
10010200	XTT Cell Proliferation Assay	Cell Culture	2-4 hours	Colorimetric - 450 nm filter	Y

Metabolism Assays

Item No.	Item Name	Compatible Sample Types	Assay Duration	Detection Method	Bulk Available
700550	Calcium Assay	Cell Lysate, Plasma, Serum, Tissue Homogenate, Urine	< 1 hour	Colorimetric - 570-590 nm filter	Y
10007640	Cholesterol Fluorometric Assay	Plasma, Serum	< 1 hour	Fluorometric - 530-580 nm/585-595 nm filter	Y
10009582	Glucose Colorimetric Assay	Plasma, Serum, Urine	< 1 hour	Colorimetric - 500-520 nm filter	Y
10010303	Triglyceride Colorimetric Assay	Cell Lysate, Plasma, Serum, Tissue Homogenate	< 1 hour	Colorimetric - 530-550 nm filter	Y
700320	Uric Acid Assay	Plasma, Serum, Urine	< 1 hour	Fluorometric - 530-540 nm/585-595 nm filter	Y

Standardization & Monitoring Assays

Item No.	Item Name	Compatible Sample Types	Assay Duration	Detection Method	Bulk Available
700460	Creatinine (serum) Colorimetric Assay	Serum	< 1 hour	Colorimetric - 490-500 nm filter	Y
500701	Creatinine (urinary) Colorimetric Assay	Urine	< 1 hour	Colorimetric - 490-500 nm filter	Y
10009325	Malachite Green Phosphate Assay	Aqueous Solutions	< 1 hour	Colorimetric - 620-650 nm filter	Y
704002	Protein Determination Assay	Protein	< 1 hour	Colorimetric - 595 nm filter	Y