CREATIVE BIOMART®
Assay Kit

MTS Cell Proliferation Colorimetric Assay Kit

Product Information

Cat

Kit-2276

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Product Overview

MTS Cell Proliferation Assay Kit is a colorimetric method for sensitive quantification of viable cells in proliferation and cytotoxicity assay. The method is based on the reduction of MTS tetrazolium compound by viable cells to generate a colored formazan product that is soluble in cell culture media. This conversion is thought to be carried out by NAD(P)H-dependent dehydrogenase enzymes in metabolically active cells. The formazan dye produced by viable cells can be quantified by measuring the absorbance at 490-500 nm. The assay can be used for the measurement of cell proliferation in response to growth factors, cytokines, mitogens, and nutrients, etc. It can also be used for the analysis of cytotoxic compounds like anticancer drugs and many other toxic agents and pharmaceutical compounds. MTS assay is performed by adding the reagent directly into the cell culture media without the intermittent steps, which are required in the routine MTT assay. In addition, this high-throughput assay requires no washing or solubilization step and can be performed in 96-well microtiter plate.

Applications

Measurement of cell proliferation in response to growth factors, cytokines, mitogens and nutrients.Analysis of cytotoxic and cytostatic compounds such as anticancer drugs, toxic agents and other pharmaceuticals.Assessment of physiological mediators that inhibit cell growth.

Storage

-20°C

Shipping

Gel Pack

Kit Components

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Assay Kit

MTS Cell Proliferation Colorimetric Assay Kit

MTS Reagent (in electrocoupling solution)

Detection method Absorbance (490-500 nm)

Features & Benefits

Simple one-step procedure; takes ~ 4 hours;
High-throughput;
The entire assay can be performed directly in a 96-well plate and does not require washing/harvesting/or solubilization steps.

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