CREATIVE BIOMART®
Assay Kit

MTT Cell Proliferation Assay Kit (Colorimetric)

Product Information

Cat

Kit-1067

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Description

Quantification of the number of viable cells is an indispensable tool in cell biology research. MTT Cell Proliferation Assay Kit is a sensitive method for quantification of viable cells in proliferation and cytotoxicity assay. The method is based on the conversion of water soluble MTT (3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide) compound to an insoluble formazan product. Viable cells with active metabolism convert MTT into formazan, however, dead cells lose this ability. Thus color formation serves as a useful and convenient marker of only the viable cells. The measured absorbance (590 nm) is proportional to the number of viable cells. This assay kit provides an easy-to-use, non-radioactive, and high-throughput method for cell proliferation, cell viability, chemotaxis, cytotoxicity, and apoptosis.

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

Size

1000 assays

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

MTT Cell Proliferation Assay Kit (Colorimetric)

MTT Reagent; MTT Solvent

Detection method Absorbance (490 nm)

Features & Benefits

Non-radioactive;
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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