CREATIVE BIOMART®
Assay Kit

Crystal Violet Cell Cytotoxicity Assay Kit

Product Information

Cat

Kit-2267

Cat.No. Kit-2267

Product Overview

Crystal violet (CV) cell cytotoxicity assay is one of the common methods used to detect cell viability or drug cytotoxicity. CV is a triarylmethane dye that can bind to ribose type molecules such as DNA in nuclei. Normally, dead adherent cells will detach from cell culture plates and will be removed from viable cell propulation during washing steps. CV staining can be used to quantify the total DNA of the remaining population and thus determine cell viability. The CV staining is directly proportional to the cell biomass and can be measured at 570 nm. CV staining is a quick and versatile assay for screening cell viability under diverse stimulation or inhibition conditions. CV cell cytotoxicity assay kit is simple, accurate, reproducible and sensitive. It also includes Doxorubicin as a positive control. This kit offers an excellent and efficient method for in vitro cytotoxicity studies as well as high-throughput drug screening.

Applications

This assay provides a convenient and non-radioactive alternative to carry out cytotoxicity assays. This assay relies on the ability of crystal violet to bind ribose molecules (i.e. DNA) in viable cells.

Storage

-20°C

Shipping

Gel Pack

Size

1000 assays

Kit Components

Crystal Violet Staining Solution

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Email:info@creative-biomart.org

Fax:1-631-938-8127

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Target Species

Mammalian

Detection method Detection method- Absorbance (570 nm)

Features & Benefits

Simple procedure; takes less than 2 hours; Fast, sensitive and convenient

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