CREATIVE BIOMART®
Assay Kit

Sulforhodamine B Cell Cytotoxicity Assay Kit (Colorimetric)

Product Information

Cat

Kit-2192

Cat.No. Kit-2192

Product Overview

Sulforhodamine B (SRB) cell cytotoxicity assay is one of the most widely methods used to detect cell viability or drug cytotoxicity. This assay relies on the ability of SRB to bind cellular protein components and measure the total biomass. SRB is a bright-pink aminoxanthene dye that can form an electrostatic complex with basic amino acid residues of proteins in slightly acidic conditions but it can dissociate under basic conditions. It has been widely used for drug toxicity screening against different types of cancerous and non-cancerous cell lines. In addition, this assay is independent of cell metabolic activity and therefore should show less interference by the testing compounds. Since the binding of SRB is stoichiometric, the incorporated dye released from stained cells after washing is directly proportional to the cell biomass and can be measured at 565 nm. SRB cell cytotoxicity assay kit is simple, accurate, reproducible and sensitive. This kit offers an excellent and efficient method for in vitro cytotoxicity studies as well as high-throughput drug screening that can detect between 5,000-50,000 cells per well.

Applications

This assay provides a convenient and non-radioactive alternative to carry out cytotoxicity assays. This assay relies on the ability of SRB to bind cellular protein components and measure the total biomass.

Storage

-20°C

Shipping

Gel Pack

Size

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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1000 assays

Kit Components

Fixation Solution; 20X Washing Solution; 10X Solubilization Solution; SRB Dye Solution; 20 mM Doxorubicin

Target Species

Species reactivity- Mammalian

Detection method Detection method- Absorbance (565 nm)

Features & Benefits

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

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