Crystal Violet Cell Cytotoxicity Assay Kit

Cat. No. Kit-2267 **Lot. No.** (See product label)

SPECIFICATION

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
Target Species	Mammalian

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Detection method	Detection method- Absorbance (570 nm)
Features & Benefits	Simple procedure; takes less than 2 hours; Fast, sensitive and convenient

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