CREATIVE BIOMART®
Assay Kit

Bioluminescence Cytotoxicity Assay Kit

Product Information

Cat

Kit-2255

Cat.No. Kit-2255

Product Overview

Cell death or cytotoxicity is classically evaluated by the quantification of plasma membrane damage. Adenylate kinase (AK) is a ubiquitous protein present in all eukaryotic and prokaryotic cells and rapidly release into culture medium upon damage of the plasma membrane. The Bioluminescence Cytotoxicity Assay Kit is based on the measurement of AK in a simple one-step procedure involving two chemical reactions. The first reaction is the conversion of ADP to ATP by adenylate kinase that was released from the damaged cells. The second reaction utilizes luciferase to catalyze the formation of light from ATP and luciferin, and the light can be measured using a luminometer or beta counter. The assay is highly sensitive and can be fully automatic for high throughput.

Storage

-20°C

Shipping

Gel Pack

Size

500 assays

Kit Components

AK Detection Reagent (Lyophilized); AK Assay Buffer

Target Species

Mammalian

Detection method Luminescence

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Features & Benefits

Simple one-step procedure; takes less than 30 minutes;
Fast and convenient;
The assay is highly sensitive and can be fully automatic for high throughput studies.

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