



ADP/ATP Ratio Assay Kit

Product Information

Cat.No.

Kit-0058

Product Overview

ADP/ATP Ratio Assay Kit is a bioluminescent assay for ADP/ATP ratio.

Description

Changes in the ADP/ATP ratio have been used to differentiate modes of cell death and viability. Increased levels of ATP and decreased levels of ADP signify proliferating cells. Conversely, decreased levels of ATP and increased levels of ADP represent apoptotic or necrotic cells where the decrease in ATP and increase in ADP is much more pronounced in necrosis versus apoptosis.

Applications

Apoptosis and Necrosis determination in cells. Cell proliferation: effects of cytokines, growth factor, nutrients. Drug discovery: high-throughput screening for anticancer drugs.

Usage

For research use only (RUO)

Storage

Store all reagents at -20°C. Shelf life: 12 months after receipt.

Kit Components

Assay Buffer 10 mL Substrate 120 µL Co-substrate 120 µL ATP Enzyme 120 µL ADP Enzyme 120 µL

Compatible Sample Types

Cell

Features & Benefits

Safe. Non-radioactive assay. Homogeneous and convenient. "Mix-incubate-measure" type assay. No wash and reagent transfer steps are involved. Robust and amenable to HTS: Z' factors of 0.5 and above are routinely observed in 96-well and 384-well plates. Can be readily automated on HTS



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Assay Kit

ADP/ATP Ratio Assay Kit

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