

Cell Transformation Assay Kit (Colorimetric)

Cat. No. Kit-1051 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description

The transformed cells can proliferate without attaching to surface. Anchorage independent cell growth is the hallmark of cell transformation. The Soft-Agar Assay is a traditional method for screening cell transformation in vitro. However, this method is lengthy (3-4 weeks incubation), laborious (counting colonies) and inconsistent (due to subjective counting). Cell Transformation Assay is faster, stable, and more sensitive than the traditional soft-agar assay. The kit is based on the conversion of the tetrazolium salt (WST-8) to formazan by cellular mitochondrial dehydrogenases. The generated signal is directly proportional to the number of living cells. This one-step method is non-radioactive and simple (just add-and-read, does not require harvesting cells, and solubilization steps). The assay is high-throughput adaptable and has wide linear range from 10000-400000 cells. The entire Cell Transformation Assay can be finished within 7-8 days.

Applications

Measure cell transformation in response to stimuli;
Screen and characterize compounds that influence cell transformation

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Agarose Powder DMEM Solution (10X); Staining Solution; WST Reagent; Electro

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Coupling Solution (ECS)	
Target Species	Mammalian cells
Detection method	Colorimetric (OD 450 nm)
Features & Benefits	Highly sensitive fluorometric method to measure cell transformation in response to a variety of biochemical stimuli; Simple & High throughput-adaptable; Reproducible, Quantitative tool for screening, studying, and characterizing compounds that affect cell transformation

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