CREATIVE BIOMART®
Assay Kit

Cell Transformation Assay Kit (Colorimetric)

Product Information

Cat

Kit-1051

Common Name

Cell

Cat.No. Kit-1051

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

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Kit Components

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