CREATIVE BIOMART®
Assay Kit

Cell Transformation Assay Kit (Fluorometric)

Product Information

Cat

Kit-1052

Common Name

Cell

Cat.No. Kit-1052

Description

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 uses a quantitative dye that binds to nucleic acid and generates green fluorescence. This one-step method is non-radioactive and simple (just add-and-read, and does not require tedious labor such as counting colonies). The assay is high-throughput adaptable and has wide linear range from 50-60,000 cells. The entire 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

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Agarose Powder; DMEM Solution (10X); Staining Solution; Agarose Solubilization Solution; Quantitative Dye (200X)

Target Species

Mammalian cells

Detection method Fluorescence (Ex/Em = 480/530 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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