



## 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



## Cell Transformation Assay Kit (Fluorometric)

### Kit Components

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

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### Target Species

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Mammalian cells

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**Detection method** Fluorescence (Ex/Em = 480/530 nm)

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### Features & Benefits

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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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