Cell Transformation Assay Kit (Colorimetric)

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

SPECIFICATION

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 Coupling Solution (ECS)

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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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