

Anoikis Assay kit

Cat. No. Kit-2093 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Anoikis assay kit quantifies live cells using fluorometric (Calcein AM) reagents and a proprietary coated chamber that mimics Anoikis conditions. Our assay is easy to use, sensitive and compatible with fluorimeters.
Size	100 assays
Description	Anoikis is a form of cellular apoptosis induced by the inability of normal cells to attach to the extracellular matrix (ECM). Incorrect attachment or no ECM attachment could affect cell growth and differentiation in normal cells. However, research studies has determined that metastatic cells can undergo Anoikis without affecting their ability to migrate and invade surrounding or distant organs.
Applications	Measure cell anoikis in response to stimuli.Screen, study, or characterize compounds that influence Anoikis.HTP adaptable
Target Species	Mammalian cells
Storage	Store kit at -20°C, protected from light. Components should be opened and kept under sterile conditions. Briefly centrifuge small vials prior to opening. Assay is performed under sterile conditions. Read entire protocol before performing the experiment.Anoikis Chamber: Ready to use. Keep at Room temperature.Calcein AM: Resuspend in 220 µl anhydrous DMSO (not provided). Aliquot and store -20°C. Use within 2 months.Assay Buffer: Ready to use. Keep at 4°C.
Kit Components	Assay Buffer: 100 mlAnoikis Chamber: 1 eachChamber Control (Uncoated): 1

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	eachCalcein AM Dye: 1 vial
Detection method	Fluorescence (Ex/Em = 485/530 nm)
Compatible Sample Types	• Metastatic cell lines• Anoikis inhibitor or stimuli
Features & Benefits	• Highly sensitive fluorometric method to measure cell Anoikis in response to a variety of biochemical stimuli• Simple & High throughput-adaptable• Reproducible, Quantitative tool for screening, studying, and characterizing compounds that affect Anoikis

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