

## Anoikis Assay kit

### Product Information

**Cat.No.**

Kit-2093

**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.

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### Kit Components

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Assay Buffer: 100 ml  
Anoikis Chamber: 1 each  
Chamber Control (Uncoated): 1 each  
Calcein AM Dye: 1 vial

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**Detection method** Fluorescence (Ex/Em = 485/530 nm)

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### Compatible Sample Types

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- Metastatic cell lines
  - Anoikis inhibitor or stimuli
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### Features & Benefits

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- 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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