

Cell Migration/Chemotaxis Assay Kit (96-well, 5 μm)

Cat. No. Kit-1007 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description

Cell migration is a process by which cells move from one location to another. Cell motility is observed in unicellular organisms, and is essential for the development and maintenance of multicellular organisms. Cells often migrate in response to specific external stimuli, including chemical & mechanical signals. Errors during this process have serious consequences, including intellectual disability, vascular disease, tumor formation and metastasis. Cell Migration/Chemotaxis Assay Kit utilizes a Boyden chamber, where the cells migrate through a semipermeable membrane under different stimuli. Cell migration can be analyzed directly by reading fluorescence (Ex/Em = 530/590 nm) in a plate reader. Our assay is easy to use, sensitive and adaptable to high-throughput systems.

Applications

Measure cell migration in response to stimuli.
Screen, study, or characterize compounds that influence chemotaxis/cell migration.

Storage -20°C

Shipping Gel Pack

Size 100 assays

Kit Components

Wash Buffer; Cell Dissociation Solution; Control Migration Inducer; Cell Dye; Cell Migration Chamber

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Detection method	Fluorescence (Ex/Em = 530/590 nm)
Features & Benefits	Highly sensitive fluorometric method to measure cell migration/chemotaxis in response to a variety of biochemical stimuli; Simple & High throughput-adaptable; Reproducible, Quantitative tool for screening, studying, or characterizing compounds that affect cell migration

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