

Intracellular Acidification Rate Assay Kit

Intracellular Acidification Rate Fluorometric Assay Kit

CATALOG #
AAA179692

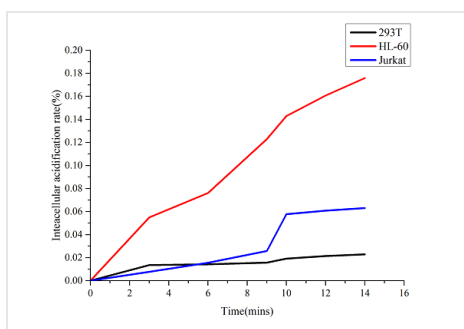
PRODUCT SYNONYMS

Intracellular Acidification Rate; Intracellular Acidification Rate Fluorometric Assay Kit; Intracellular Acidification Rate assay kit

PRODUCT SPECIFICATIONS

Detection Type	Fluorescence
Result Type	Quantitative
Samples	Cell
Detection Instrument	Fluorescence Microplate Reader
Preparation and Storage	This product can be stored at -20 degree C for 12 months with shading light.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for Intracellular Acidification Rate assay kit

Intracellular acidification rate refers to the degree of change in the pH of the intracellular environment, which is an important parameter for the study of cell function. Constant intracellular pH level is an indispensable condition for maintaining normal cell metabolism and function. Most physiological and biochemical reactions in the cell, such as cell growth, calcium regulation, enzyme activity, receptor mediated signal transduction, ionic action, endocytosis, and cell adhesion, etc. Therefore, there is a close relationship between intracellular pH regulation and metabolism, and accurate detection of intracellular pH fluctuations is an important way to understand intracellular metabolism. At the same time, studying the interaction between intracellular pH regulation and metabolism will help to better understand the biochemical processes in cells and provide new ideas and methods for the treatment of related diseases. The probe used in this test box has the characteristics of dual excitation wavelength. The probe has the maximum absorption at 490nm and an equal absorption point at 440nm. By calculating the ratio of the two excitation wavelengths, the fluctuation of intracellular pH can be detected.

Product Categories/Family for Intracellular Acidification Rate assay kit

Metabolism assay; Cell Metabolism Assays; Glycolysis and Lipid Metabolism

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

