CREATIVE BIOMART®
Assay Kit

Acetylcholinesterase Red Fluorescence Assay Kit

Product Information

Cat.No. Kit-0034

Product Overview

Acetylcholinesterase Assay Kit (Red Fluorescence) is a one-step fluorometric assay for the detection of AChE activity.

Description

Acetylcholinesterase (AChE) is one of the most crucial enzymes for nerve response and function. AChE degrades the neurotransmitter acetylcholine (ACh) into choline and acetic acid. It is mainly found at neuromuscular junctions and cholinergic synapses in the central nervous system, where its activity serves to terminate the synaptic transmission. AChE inhibitors are among the key drugs approved for Alzheimer''s disease (AD) and myasthenia gravis.

Usage

For research use only (RUO)

Storage

Keep in freezer. Avoid exposure to light.

Kit Components

Component A: Amplite Red 1 vialComponent B: Acetylcholinesterase Probe (lyophilized powder) 2 bottlesComponent C: Acetylcholine 1 vialComponent D: Acetylcholinesterase Standard (5 units) 1 vialComponent E: Assay Buffer 10 mLComponent F: Dilution Buffer 10 mLComponent G: DMSO 100 μL

Detection method Fluorometric

Features & Benefits

Broad Application: Can be used for quantifying acetylcholinesterase in solutions and in cell extracts.Sensitive: Detect as low as 0.01 mU of acetylcholinesterase in solution.Continuous: Easily adapted to automation without a separation step.Convenient: Formulated to have minimal hands-on time.

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