

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 vial
Component B: Acetylcholinesterase Probe (lyophilized powder) 2 bottles
Component C: Acetylcholine 1 vial
Component D: Acetylcholinesterase Standard (5 units) 1 vial
Component E: Assay Buffer 10 mL
Component F: Dilution Buffer 10 mL
Component G: DMSO 100 μ L

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-



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on time.

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