

# Acetylcholinesterase Red Fluorescence Assay Kit

Cat. No. Kit-0034 Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Acetylcholinesterase Assay Kit (Red Fluorescence) is a one-step fluorometric assay for the detection of AChE activity.
<b>Description</b>	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.
<b>Usage</b>	For research use only (RUO)
<b>Storage</b>	Keep in freezer. Avoid exposure to light.
<b>Kit Components</b>	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 µL
<b>Detection method</b>	Fluorometric
<b>Features &amp; Benefits</b>	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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