

Acetylcholinesterase Green Fluorescence Assay Kit

Cat. No. Kit-0033 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Acetylcholinesterase Assay Kit (Green 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: Thiolite Green 1 vial Component B: Assay Buffer 25 mL Component C: Acetylthiocholine 1 vial Component D: Acetylcholinesterase Standard (5 units) 1 vial Component E: 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 0.01mU of acetylcholinesterase in solution. Continuous: Easily adapted to automation without a separation step. Convenient: Formulated to have minimal hands-on time. Non-Radioactive: No special requirements for waste treatment.

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