CREATIVE BIOMART®
Assay Kit

# Micro Acetylcholinesterase (AchE) Assay Kit

## Product Information

**Product Overview**

Significance: Acetylcholinesterase (AchE) is a serine hydrolase widely distributed in animal tissues and serum. It catalyzes the hydrolysis of acetylcholine and plays an essential role in regulating neurotransmission.
Principle: AchE hydrolyzes acetylcholine to generate choline, which reacts with 5,5′-dithiobis-(2-nitrobenzoic acid) (DTNB) to produce 5-thio-2-nitrobenzoic acid (TNB). TNB exhibits a characteristic absorbance at 412 nm, and the rate of absorbance increase is proportional to AchE activity.

**Size**

100t/48s

**Storage**

Store at 2–8 °C. Shelf life: 6 months.

**Synonyms**

AchE Kit

**Detection method** Spectrophotometer/Microplate Reader

**Materials Required but Not Supplied**

UV spectrophotometer or microplate reader, quartz cuvettes or 96-well plates, refrigerated centrifuge, water bath, adjustable pipettes, distilled water.

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