CREATIVE BIOMART®
Assay Kit

Acetylcholinesterase Activity Colorimetric Assay Kit

Product Information

Cat

Kit-0031

Common Name

AChE

Cat.No. Kit-0031

Product Overview

Rapid, simple & convenient
This assay kit can detect acetylcholinesterase activity as low as 0.5 mU/ml in a variety of samples

Description

Acetylcholinesterase (AChE) is one of the most crucial enzymes associated with nerve response and function. AChE is a serine protease that hydrolyzes the neurotransmitter acetylcholine. Irreversible inhibition of AChE may lead to muscular paralysis, convulsions, bronchial constriction, and death by asphyxiation. Acetylcholinesterase Activity Assay Kit provides a simple and sensitive method for continuous monitoring of enzymatic activity using colorimetry (OD 570 nm). In this assay, AChE converts acetylcholine substrate to choline, which is then oxidized by choline oxidase (CO) to produce an intermediate. The intermediate reacts with a highly specific probe to generate color. This assay kit can detect acetylcholinesterase activity as low as 0.5 mU/ml in a variety of samples.

Applications

Measurement of AChE activity in various tissues/cells.

Usage

For Research Use Only! Not For Use in Humans.

Storage

-20°C

Size

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Acetylcholinesterase Activity Colorimetric Assay Kit

100 assays

Kit Components

- AChE Assay Buffer
- AChE Probe (DMSO)
- AChE Substrate (Lyophilized)
- Choline Oxidase Enzyme Mix (Lyophilized)
- Choline Standard (Lyophilized)
- AChE Positive Control (Lyophilized)

Target Species

N/A

Detection method Absorbance (OD 570 nm)

Compatible Sample Types

- Serum, plasma or blood.
- Animal tissues: liver, heart, kidney, etc.
- Cell culture: Adherent or suspension cells

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