



## **Acetylcholinesterase Activity Assay Kit - 100 Assays**

**Catalog number: AR4001**

This package insert must be read in its entirety before using this product.

For research use only. Not for use in diagnostic procedures.

## Acetylcholinesterase Activity Assay Kit - 100 Assays

Catalog Number: AR4001, Storage:

### Overview

Product Name	Acetylcholinesterase Activity Assay Kit - 100 Assays
SKU/Catalog Number	AR4001
Description	<p>Acetylcholinesterase (AChE) is known to be one of the most important enzymes involved in neural responsiveness and overall functionality. Its main responsibility is breaking down acetylcholine (ACh), as a result forming acetic acid and choline. Used to stop synaptic transmission, AChE is often located near the central nervous system's cholinergic synapses, as well as neuromuscular junctions.</p> <p>Boster provides a kit with sensitive detection of AChE activity. Cell extracts, blood samples, and other solutions can be analyzed for AChE activity, using DTNB to quantify thiocholine, a product of acetylthiocholine hydrolysis by AChE. To directly measure the level of AChE activity, the production of thiocholine is determined by observing the DTNB absorption intensity.</p>
Cite This Product	Acetylcholinesterase Activity Assay Kit - 100 Assays (Boster Biological Technology, Pleasanton CA, USA, Catalog # AR4001)

### Properties

Application	Enzyme Activity
Detection Method	Colorimetric
Sample Type	Cell culture extracts, Cell Lysate, Tissue Lysate
Sensitivity	detect as low as 0.1 mU of acetylcholinesterase in the sample, higher than similar products from competitors.
Detection Range	10-600 U/L AChE activity

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