

General Acetylcholinesterase Assay Kit | ACHE assay kit

Acetylcholinesterase Microplate Assay Kit

CATALOG # AAA261584	REACTIVITY General	APPLICATIONS Functional Assay
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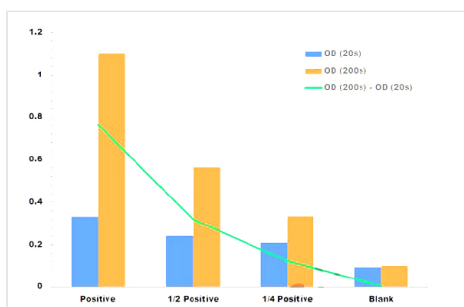
PRODUCT SYNONYMS

Acetylcholinesterase; Acetylcholinesterase Microplate Assay Kit; EC 3.1.1.7; Choline esterase I; Cholinesterase; True cholinesterase; ACHE assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	72
Samples	Urine, serum, plasma, tissue extracts, cell lysate, cell culture media and other biological fluids samples
Applicable Applications for ACHE assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACHE assay kit

Background/Introduction: Acetylcholinesterases (AChEs) are enzymes that hydrolyze the neurotransmitter acetylcholine (ACh) to and choline. AChE is located at the synaptic cleft and functions to terminate synaptic transmission by catalyzing the breakdown of ACh allowing cholinergic neurons to return to a resting state after activation. Changes in AChE activity may result from exposure to certain insecticides, which act as cholinesterase inhibitors. Inhibitors of AChE are also used to treat certain conditions such as dementia. The Acetylcholinesterase Activity Microplate Assay Kit provides a simple and direct procedure for measuring AChE levels in a variety of samples such as blood, serum, and plasma. In this assay, thiocholine produced by AChE, reacts with DTNB to form an colorimetric (412 nm) product (TNB), proportional to the AChE activity present.

NCBI AND UNIPROT INFORMATION

NCBI GI #	545225
NCBI GeneID	43
Molecular Weight	58,352 Da

NCBI Official Full Name	acetylcholinesterase, partial
NCBI Official Synonym Full Names	acetylcholinesterase (Cartwright blood group)
NCBI Official Symbol	ACHE
NCBI Official Synonym Symbols	YT; ACEE; ARACHE; N-ACHE
NCBI Protein Information	acetylcholinesterase
UniProt Protein Name	Acetylcholinesterase
UniProt Gene Name	ACHE
UniProt Synonym Gene Names	AChE
UniProt Entry Name	ACES_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/general-assay-kits/acetylcholinesterase/261584>