

# Cholinesterase (CHE) Activity Assay Kit

Cat No: HR3BC1126

For research use only

## Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Spectrophotometer(520 nm)
Assay Time	60 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Whole blood,serum,plasma,tissue,cells
Synonyms	CHE
Instrument	Spectrophotometer(520 nm)
Detection Principle	Cholinesterase breaks down acetylcholine into choline and acetic acid. Acetylcholine that is not hydrolyzed by cholinesterase reacts with basic hydroxylamine to form acetamidamine. It reacts in an acidic solution to form a brown-red hydroxamate iron complex. The color depth is directly proportional to the amount of remaining acetylcholine, which can be colorimetrically quantified. Cholinesterase activity was calculated.
Reagents	Normal saline (0.9% NaCl)
Labware	Micropipettor, Centrifuge, Incubator, Water bath, Vortex mixer
Size	50Assays
Sensitivity	1.17 U/mL
Detection Range	1.17-160 U/mL
Recovery Rate	104