



# Catalase (CAT) Activity Assay Kit

Cat No: HR3BC1120

For research use only

## Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Spectrophotometer(405 nm)
Assay Time	70 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Serum,plasma,cells,tissue
Synonyms	CAT
Instrument	Spectrophotometer(405 nm)
Detection Principle	The reaction that catalase (CAT) decomposes H <sub>2</sub> O <sub>2</sub> can be quickly stopped by ammonium molybdate. The residual H <sub>2</sub> O <sub>2</sub> reacts with ammonium molybdate to generate a yellowish complex. CAT activity can be calculated by production of the yellowish complex at 405 nm.
Reagents	Normal saline (0.9% NaCl) or PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Vortex mixer, Incubator or Water-bath
Size	100Assays
Sensitivity	0.27 U/mL
Detection Range	0.27-155.4 U/mL
Recovery Rate	96