

Vitamin E (VE) Colorimetric Assay Kit

Cat No: HR3BC1121

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Spectrophotometer(533 nm)
Assay Time	60 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,tissue
Synonyms	VE
Instrument	Spectrophotometer(533 nm)
Detection Principle	Fe ³⁺ can be deoxidized to Fe ²⁺ by VE with ferroin existing. Fe ²⁺ can react with phenanthroline and form pink compound under certain condition. VE content can be calculated by measuring the OD value at 532 nm.
Reagents	Normal saline (0.9% NaCl) or PBS (0.01 M, pH 7.4), Absolute ethanol,N-heptane
Labware	Micropipettor, Vortex mixer, Centrifuge
Size	100Assays
Sensitivity	0.09 ?g/mL
Detection Range	0.09-40 ?g/mL
Recovery Rate	98