Vitamin E (VE) Colorimetric Assay Kit

Cat No: HR3BC1227

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Microplate reader(525-533 nm,optimum wavelength: 533 nm)
Assay Time	30 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,tissue
Synonyms	VE
Instrument	Microplate reader(525-533 nm,optimum wavelength: 533 nm)
Detection Principle	Fe3+ can be deoxidized to Fe2+ by VE with ferroin existing. Fe2+ can react with phenanthroline and form pink compound under certain condition. After colorimetric assay, VE content can be figured out according to the standard curve or calculated through formula.
Reagents	Normal saline (0.9% NaCl) or PBS (0.01 M, pH 7.4), Absolute ethanol, N-heptane
Labware	Micropipettor, Centrifuge, Vortex mixer
Size	96T
Sensitivity	0.95 ?g/mL
Detection Range	0.95-40 ?g/mL
Recovery Rate	97