CREATIVE BIOMART®
Assay Kit

Vitamin E (VE) Content Assay Kit

Product Information

Product Overview

Significance: Vitamin E is a lipid-soluble vitamin whose hydrolysis product, tocopherol, is one of the most important antioxidants in biological systems. It protects polyunsaturated fatty acids from oxidative damage, maintains membrane integrity, delays aging processes, and prevents hemolytic anemia. Vitamin E is widely applied in pharmaceutical, cosmetic, nutraceutical, and food industries.
Principle: Vitamin E reduces Fe³⁺ to Fe²⁺, which forms a colored complex with 1,10-phenanthroline. The complex exhibits a characteristic absorbance peak at 530 nm, enabling quantitative determination.

Size

50t/24s

Storage

Store at -20 °C. Shelf life: 6 months.

Detection method Spectrophotometer

Materials Required but Not Supplied

Analytical balance, mortar and pestle, centrifuge, visible spectrophotometer, 1 mL glass cuvettes, vortex mixer.

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