CREATIVE BIOMART®
Assay Kit

LOX Fluorometric Assay Kit

Product Information

Cat.No. Kit-0520

Product Overview

LOX Assay Kit (Fluorometric) is designed for the measurement of LOX.

Description

Lysyl oxidase is an extracellular enzyme that catalyzes formation of aldehydes from lysine residues in collagen and elastin precursors. These aldehydes are highly reactive, and undergo spontaneous chemical reactions with other lysyl oxidase-derived aldehyde residues or with unmodified lysine residues. The chemical reactions result in cross-linking collagen and elastin, which is essential for stabilization of collagen fibrils and for the integrity and elasticity of mature elastin. The activity of Lysyl oxidase in biological samples is traditionally assessed by tritium release end-point assays using radio isotope labeled collagen or elastin substrates.

Usage

For research use only (RUO)

Storage

Keep in freezer Avoid exposure to light.

Kit Components

Component A: Amplite HRP Substrate (light sensitive) 1 vialComponent B: Assay Buffer 50 mlComponent C: Horseradish Peroxidase (50 units) 1 vialComponent D: DMSO 200 μl

Compatible Sample Types

Biological samples

Features & Benefits

Sensitive: Detect as low as 40 ng lysyl oxidase in solution.Continuous: Easily adapted to automation without a separation step.Convenient: Formulated to have minimal hands-on time. No wash is required.Non-Radioactive: No special requirements for waste treatment.

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