LOX Fluorometric Assay Kit

Cat. No. Kit-0520 **Lot. No.** (See product label)

SPECIFICATION

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

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	waste treatment.

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