

Peroxidase Activity Assay Kit

Cat. No. Kit-0675 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Peroxidase Assay Kit provides a convenient colorimetric and fluorometric means to measure the peroxidase activity in biological samples. In the presence of Peroxidase, the OxiRed Probe reacts with H ₂ O ₂ in a 1:1 stoichiometry to produce the redfluorescent oxidation product, resorufin. The resorufin is quantified by colorimetric ($\lambda_{\text{max}} = 570\text{nm}$) or fluorometric methods (Ex/Em = 535/587 nm). The assay is simple, direct, highly sensitive and high throughput-ready. The detection limit is 0.1 mU per well via colorimetric or 0.01 mU per well via fluorometric method, based on our unit definition.
Applications	Functional Studies
Target Species	Reacts with: Human, A wide range of mammals
Storage	Store the kit at -20°C and protect from light. Please read the entire protocol before performing the assay. Avoid repeated freeze/thaw cycles. Warm assay buffer to room temperature before use. Briefly centrifuge all small vials prior to opening.
Kit Components	Components Identifier 100 testsHRP Positive Control Green 1 vialHydrogen Peroxide Substrate Yellow 1 x 0.1mlOxiRed Probe Red 1 x 0.2mlPeroxidase Assay Buffer WM 1 x 25ml
Compatible Sample Types	Cell culture supernatant, Urine, Serum, Plasma, Other biological fluids

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