

# Peroxidase Activity Assay Kit

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

## SPECIFICATION

<b>Product Overview</b>	<p>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<sub>2</sub>O<sub>2</sub> in a 1:1 stoichiometry to produce the redfluorescent oxidation product, resorufin. The resorufin is quantified by colorimetric (<math>\lambda_{max} = 570\text{nm}</math>) 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.</p>
<b>Applications</b>	Functional Studies
<b>Target Species</b>	Reacts with: Human, A wide range of mammals
<b>Storage</b>	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.
<b>Kit Components</b>	<p>Components Identifier 100 tests            HRP Positive Control Green 1 vial            Hydrogen Peroxide Substrate Yellow 1 x 0.1ml            OxiRed Probe Red 1 x 0.2ml            Peroxidase Assay Buffer WM 1 x 25ml</p>
<b>Compatible Sample Types</b>	Cell culture supernatant, Urine, Serum, Plasma, Other biological fluids

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