CREATIVE BIOMART®
Assay Kit

Hydrogen Peroxide (H2O2) Content Assay Kit

Product Information

Product Overview

Hydrogen peroxide is a central reactive oxygen species produced by enzymes such as SOD and XOD and degraded by CAT and POD. It functions both as an oxidant causing biomolecular damage and as a signaling molecule in oxidative stress responses.
H₂O₂ reacts with titanium sulfate to form a yellow peroxytitanium complex with absorbance at 415 nm. The absorbance correlates with H₂O₂ concentration.

Size

100t/96s

Storage

Store at 2–8 °C. Shelf life: 1 year.

Detection method Spectrophotometer/Microplate Reader

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