

# Fatty Acid Synthase (FAS) Activity Assay Kit

## Product Information

### Product Overview

**Significance of Measurement:** Catalase (CAT) is a major antioxidant enzyme that decomposes hydrogen peroxide into water and oxygen, protecting cells from oxidative damage. CAT activity is commonly used to assess oxidative stress status in biological samples.

**Principle of Measurement:** CAT catalyzes the decomposition of  $\text{H}_2\text{O}_2$ , leading to a decrease in absorbance at 240 nm. The rate of absorbance decline is directly proportional to catalase activity.

### Size

100t/96s

### Storage

Store at -20 °C. Shelf life: 6 months.

**Detection method** Spectrophotometer/Microplate Reader

### Technical Notes

For measurements using a 96-well plate, a 96-well UV plate must be used.

### Materials Required but Not Supplied

UV-visible spectrophotometer or microplate reader, benchtop centrifuge, adjustable pipettes, quartz cuvettes or 96-well plates, and distilled water.