Fluoro Catalase™
Fluorescence Catalase Detection Kit

Description
A sensitive assay that utilizes a non-fluorescent detection reagent to measure \( \text{H}_2\text{O}_2 \) substrate as a result of the reaction of catalase. The production of hydrogen peroxide in eukaryotic cells is an end product of various oxidases and superoxide dismutase reactions. Accumulation of \( \text{H}_2\text{O}_2 \) can result in cellular damage through oxidation of proteins, DNA and lipids thus resulting in cell death and mutagenesis.

Product Specifications

Kit Components:
1. 5x Reaction Buffer, 25 ml (Part 3021)
2. Detection Reagent (Part 4010)
3. Horseradish Peroxidase (HRP) (Part 6009)
4. Hydrogen Peroxide (Part 3022)
5. Catalase Enzyme (Part 6008)

Application: Fluorescence plate reader
Shipping: SHIPPED ON BLUE ICE
Long Term Storage: Store contents as labeled
Upon Arrival: 2-8°C

Catalog Number/Sizes

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Size (tests)</th>
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<tbody>
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<td>FLOCAT100-3</td>
<td>500</td>
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Rev.: 01/2011

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