

# Free Glycerol Colorimetric/Fluorometric Assay Kit

**Cat. No.** Kit-1081    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>             | Glycerol is widely used in foods, beverages, solvents, pharmaceutical and cosmetic products, etc. There is broad interest in quantification of glycerol for research and development. Glycerol Assay Kit provides a sensitive, easy assay to measure free glycerol concentration in various samples. In the assay, glycerol is enzymatically oxidized to generate a product which reacts with the probe to generate color ( $\lambda = 570$ nm) and fluorescence (Ex/Em = 535/587 nm). The kit can detect 50 pmol-10 nmol (or 1~10000 $\mu$ M range) of glycerol in various samples. |
| <b>Applications</b>            | The kit can detect 50 pmol-10 nmol (or 1~10000 $\mu$ M range) of glycerol in various samples.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>                 | -20°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Shipping</b>                | Gel Pack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Size</b>                    | 100 assays                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Kit Components</b>          | Glycerol Assay Buffer; Glycerol Probe (in DMSO, anhydrous); Glycerol Enzyme Mix (lyophilized); Glycerol Standard (100 mM)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Detection method</b>        | Absorbance (570 nm) or Fluorescence (Ex/Em 535/587 nm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Features &amp; Benefits</b> | Simple procedure; takes ~ 40 minutes;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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Fast and convenient;

The kit provides an accurate assay for measuring free glycerol in various samples

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