# Cell Cycle Phase Determination Kit

**Cat. No.** Kit-0194 **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Cell Cycle Phase Determination Kit is a fluorescence-labeled method for determining cell cycle phase. |
| **Description** | The progression of the cell cycle is controlled by a complex interplay of cell cycle regulators that either stimulate or inhibit the cell from entering each stage of the cell cycle. These molecules activate transcription factors which bind to DNA to turn on or off the production of proteins which result in cell division. Dysfunction of any step in this regulatory cascade causes abnormal cell proliferation, which underlies many human pathological conditions, most notably cancer and aging. A crucial area in understanding these conditions is to understand the mechanisms underlying alterations in cell cycle progression. |
| **Usage** | For research use only (RUO) |
| **Storage** | This kit will perform as specified if stored as directed and used before the expiration date indicated on the outside of the box.Propidium Iodide Reagent 4°CCell-Based Assay Buffer Tablets Room TemperatureRNase A Solution -20°CCell Cycle Phase Determination Fixative Room Temperature |
| **Kit Components** | Propidium Iodide Reagent 1 mLCell-Based Assay Buffer Tablets 2 TabletsRNase A Solution 1 mLCell Cycle Phase Determination Fixative 100 mL |

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