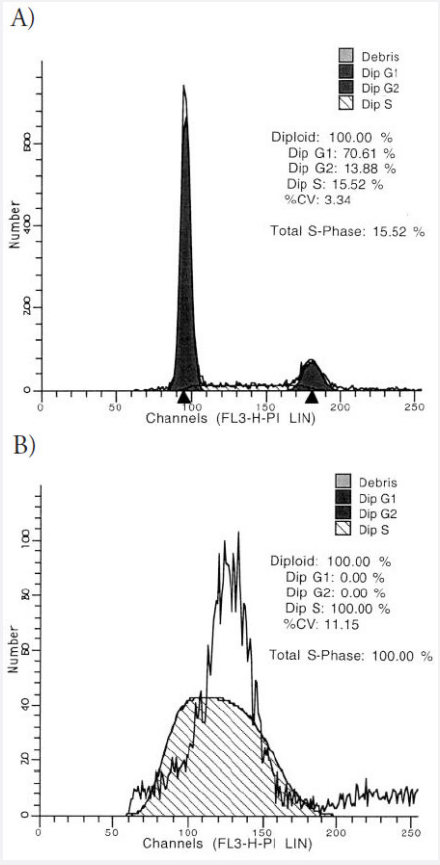
Cell Cycle Phase Determination Kit

Catalog # KA1301 Size 1 Kit

Applications



Flow Cytometry

Effect of hydroxyurea on DNA synthesis in Jurkat cells.
Jurkat cells were then treated with either vehicle (A) or 10 mM hydroxyurea (B), a DNA synthesis inhibitor, for six hours. Cells were then washed and further incubated for 12 hours followed by fixation, staining, and cytometric analysis. Brief inhibition of DNA synthesis with 10 mM hydroxyurea results in cell cycle synchronization. When the hydroxyurea is removed from the medium, the cells re-enter the cell cycle together, resulting in a large S-phase (DNA synthesis) peak 12 hours later as shown in panel B.

Specification

Product Description	Cell Cycle Phase Determination Kit is a fluorescence-labeled method for determining cell cycle phase.
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at -20°C temporarily. For best results, store the components as described in the protocol.

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Publication Reference

- Antitumor Activity of HM781-36B, alone or in Combination with Chemotherapeutic Agents, in Colorectal Cancer Cells.

Mi Hyun Kang, Sung Ung Moon, Ji Hea Sung, Jin Won Kim, Keun Wook Lee, Hye Seung Lee, Jong Seok Lee, Jee Hyun Kim

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