# ApoDIRECT DNA Fragmentation Assay Kit

**Cat. No.** Kit-2252 **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Internucleosomal DNA fragmentation is a hallmark of apoptosis in mammalian cells. ApoDIRECT In Situ DNA Fragmentation Assay Kit provides complete components including positive and negative control cells for conveniently detecting DNA fragmentation by fluorescence microscopy or flow cytometry. The TUNEL-based detection kit utilizes terminal deoxynucleotidyl transferase (TdT) to catalyze incorporation of fluorescein-12-dUTP at the free 3'-hydroxyl ends of the fragmented DNA. The fluorescein-labeled DNA can then be observed by fluorescence microscopy or analyzed by flow cytometry. |
| **Applications** | The TUNEL-based assay kit provides complete components including positive and negative control cells for convenient detection of DNA fragmentation in cultured cells and tissue sections. |
| **Storage** | -20°C |
| **Shipping** | Gel Pack |
| **Size** | 50 assays |
| **Kit Components** | Positive Control Cells; Negative Control Cells; Wash Buffer; Reaction Buffer; TdT Enzymes; Br-dUTP; Rinse Buffer; Anti-BrdU-FITC Antibody; PI/RNase Staining Buffer |
| **Target Species** | Mammalian |
| **Detection method** | Flow cytometry (Ex/Em = 488/520 nm for FITC, and 488/623 nm for PI) and |

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| | fluorescence microscopy (FITC and rhodamine filters) |
| **Features & Benefits** | Simple procedure; takes ~ 3 hours;<br>Fast and convenient;<br>The assay is sensitive and stable;<br>The TUNEL-based assay kit provides complete components including positive and negative control cells for convenient detection of DNA fragmentation in cultured cells and tissue sections. |

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