

easyTUNEL DNA Fragmentation Assay Kit

Cat. No. GTX85582**Applications** ICC/IF, FCM**Package**
50 assay

PRODUCT



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Internucleosomal DNA fragmentation is a hallmark of apoptosis in mammalian cells. GeneTex's easyTUNEL 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.

- Detection method- Flow cytometry (Ex/Em = 488/520 nm for FITC, and 488/623 nm for PI) and fluorescence microscopy (FITC and rhodamine filters)
- Sample type- Cell culture (adherent and suspension)
- Species reactivity- Mammalian
- Kit size- 50 assays
- 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.

Features and Benefits

- Simple procedure; takes ~ 1 hour
- Fast and convenient
- The assay is sensitive and stable
- The assay offers an one-step labeling of apoptotic cells.

Summary

Kit Contents:

Positive Control Cells
Negative Control Cells
Wash Buffer
Reaction Buffer
TdT Enzymes
FITC-dUTP
Rinse Buffer
PI/RNase Staining Buffer

Applications



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