

## AF647-11-dUTP reagent

AF647-11-dUTP

CATALOG #  
**AAA178134**

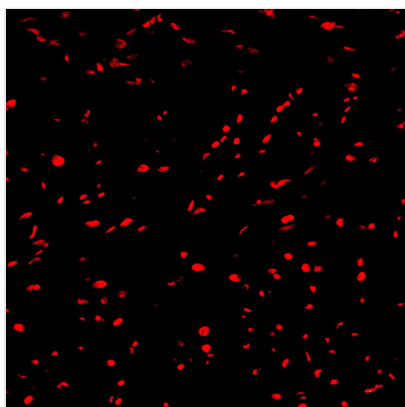
### PRODUCT SYNONYMS

AF647-11-dUTP; Fluor 647-11-dUTP; AF647-11-dUTP reagent

### PRODUCT SPECIFICATIONS

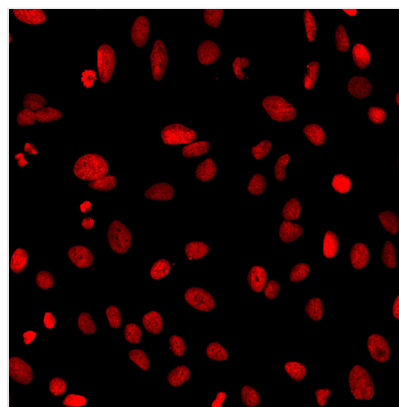
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Samples                 | Paraffin section, frozen section, cell slide                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Detection Instrument    | Fluorescence Microscope                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Dye Type                | Fluor 647                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Filter Set              | Cy5                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Detection Principle     | Chromosome DNA breakage is an important marker event in cell apoptosis. A series of DNA 3'-OH terminus is produced by DNA double-strand breaks in apoptotic cells or whenever there is a gap in one strand. The fluorescently labeled dUTP can be linked to the 3'-OH terminus of the broken DNA under the action of terminal deoxynucleotidyl transferase (TdT). Fluorescence of dUTP conjugate can be detected by flow cytometer or fluorescence microscope. |
| Preparation and Storage | Store at -20 degree C, shading light<br>Estimated Expiration: 12 months<br>Shipping: Ice bag                                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



#### Application Data

Paraffin embedded mouse heart was treated with DNase I to fragment the DNA. DNA strand breaks showed intense fluorescent staining in DNase I treated sample (red).



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HeLa cells were treated with DNase I to fragment the DNA. DNA strand breaks showed intense fluorescent staining in DNase I treated sample (red).

### ADDITIONAL INFORMATION

Product Categories/Family for AF647-11-dUTP reagent

Cell Apoptosis

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

