

# Product Information

## Fluorescein-12-dUTP, lyophilized powder

**Catalog Number** 40063

**Unit Size** 25 nmole

**Molecular Weight** ~991

**Color and Form** Orange solid

**Absorption/Emission** 494/521 nm

### Storage and Handling

Store Fluorescein-12-dUTP at -20°C or -70°C, protected from light. When stored as recommended, product is stable for at least 6 months from date of receipt.

### Product Application

Fluorescent conjugates of dUTP can be used for detection of apoptotic cells by direct fluorescence TUNEL labeling of DNA strand breaks in cells<sup>1</sup>, and can be used in place of dTTP in standard DNA labeling and synthesis protocols to generate fluorescent dsDNA and oligonucleotide probes.

### References

1. Gold et al. (1994). *Lab Invest.* 71 (2):219-25.
2. Slupphaug et al. (1993). *Anal Biochem.* 211 (1):164-9.
3. Hogrefe et al. (2002). *PNAS* 99 (2): 596-601.

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