

## Casein, TAMRA-conjugated

**Cat. No.** DYE-137    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

#### Description

In the intact substrate, casein is heavily labeled with TAMRA, resulting in almost total quenching of the conjugate's fluorescence. Compared to the fluoresceinated casein, TAMRA-labeled casein demonstrates pH-insensitive fluorescence. It is readily used for continuous fluorometric measurement of protease activity. Protease-catalyzed hydrolysis relieves this quenching conjugate, yielding brightly red fluorescent dye-labeled peptides. The increase in fluorescence intensity is directly proportional to protease activity. The lightly TAMRA-labeled casein may be useful for a continuous assay if monitored by fluorescence polarization.

#### Ex(nm)

545

#### Em(nm)

576

#### Solvent

Water

#### Storage

Store at -20°C in the dark. Dessicated.

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