

Casein, FITC-conjugated

Cat. No. DYE-136 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description

Fluoresceinated casein is widely used for fluorometric measurement of protease activity. In the intact substrate, casein is heavily labeled with a fluorescein derivative, resulting in almost total quenching of the conjugate's fluorescence. Protease-catalyzed hydrolysis relieves this quenching conjugate, yielding brightly green fluorescent dye-labeled peptides. The increase in fluorescence intensity is directly proportional to protease activity. The lightly labeled fluorescein casein may be useful for a continuous assay if monitored by fluorescence polarization.

Ex(nm)

494

Em(nm)

521

Solvent

Water

Storage

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

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