



76941

FITC Conjugation Kit (Teaching)

Part E

Specifications

Activity

Kit reagents were tested according to the protocol

Other Information

Description

SRL's FITC conjugation teaching kit is a simple and reproducible tool which teaches the student a quick and easy method of labeling a protein/antibody. Fluorescein isothiocyanate (FITC) conjugates of antibodies, lectins, hormones, and growth factors have been used in a variety of immunohistochemical and flow cytometry applications. The protocols have been optimized using a couple of proteins, but may be adapted to other proteins or antibodies

Fluorescein isothiocyanate (FITC) is an amine-reactive derivatives of fluorescein dye that have wide-ranging application as antibody and other probe labels for use in fluorescence microscopy, flow cytometry and immunofluorescence-based assays such as Western blotting and ELISA. FITC is one of the most common chemical used for labeling proteins and antibodies. It is reactive towards primary amine groups on proteins, peptides and other bio-molecules. Freshly prepared carbonate - bicarbonate buffer is ideal for setting up reactions. Reactions are most efficient at pH 9.0. Conjugation of the dye with the protein or antibody occurs within an hour and the excess dye can be removed by gel filtration or dialysis in the same conjugation buffer.

Includes

Conjugation buffer A - 10 ml
Conjugation buffer B - 25 ml
Sterile water - 50 ml
FITC (2 mg) 6 vials
Protein 1 - 1.5 ml
Protein 2 - 1.5 ml
Protein Precipitation solution – 8.0 ml

General Information

Storage

Includes components ranging from RT to -20°C

Shelf Life

12 Months

IMDG Identification

Not Regulated for Transport (Non-Haz)

HSN Code

5 expt. Kit

38229090 (GST 12%)

Available Packages

5 expt. Kit

Disclaimer

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