

Immobilized TLCK-Chymotrypsin on F7m

Cat. No. NATE-1769

Lot. No. (See product label)

Introduction

Description

α -chymotrypsin hydrolyzes peptides, amides, and esters preferentially at the carboxyl groups of hydrophobic amino acids (L-tyrosine, L-phenylalanine, and L-tryptophan but also bonds of leucyl, methionyl, asparaginy, and glutamyl residues). F7m: 1. 0 mg α -chymotrypsin per CR-column immobilized on polyvinyl. 55 units immobilized per CR-column Nr. 5 Storage buffer: 50 mM Tris/HCl, pH 7. 5 Nr. 5 Reaction buffer: 50 mM Tris/HCl, pH 7. 5; also active in 0.1% SDS Nr. 6 Washing buffer: 50 mM Tris/HCl, 1 M NaCl, pH 7. 5

Synonyms

EC 3. 4. 21. 1; α -Chymotrypsin; chymotrypsins A and B; alpha-chymar ophth; avazyme; chymar; chymotest; enzeon; quimar; quimotrase; alpha-chymar; alpha-chymotrypsin A; alpha-chymotrypsin; Chymotrypsin

Product Information

Source

Bovine pancreas

EC Number

EC 3. 4. 21. 1

Protocol

1. Dilute delivered buffers (at least 2 ml each) with sterile doubly distilled water. For 1 application you need: 0.25 ml 10x reaction buffer and 2. 25 ml doubly distilled water 0.4 ml 5x washing buffer and 1. 6 ml doubly distilled water 0.2 ml 10x storage buffer and 1. 8 ml doubly distilled water The substrate should be in reaction buffer 2. Equilibrate the CR-column with 2 ml reaction buffer. Fill 2 ml reaction buffer into a syringe, let the reaction buffer run through the column by gravity to the upper filter. In case the buffer runs very slowly, apply pressure by a syringe. 3. Load substrate solution in reaction buffer. Small volumes (< 80 μ l): spin the CR-column 5 seconds in a benchtop centrifuge (2000 rpm are sufficient). Let the substrate solution enter the matrix material. Larger volumes: Let the substrate solution run through the column. Flow-rate: up to 80 μ l/minute Keep the substrate in the column for about 1 minute at room temperature. Higher turn-over is obtained when the substrate is applied to the column again or incubated for longer times. 4. Elute the product solution. Small volumes (< 80 μ l): Elute the product with 500 μ l reaction buffer. Larger volumes: Let the substrate run through the column and elute the residual product solution with 500 μ l reaction buffer. It does not harm the columns if they run dry. 5. Wash the column with 2 ml washing buffer. 6. Equilibrate the column with 2 ml storage buffer. Store the column at 4°C. Never freeze a CR-column!

Storage and Shipping Information

Storage

4 °C