

## Dextranase 66A from Streptococcus mutans, Recombinant

Cat. No. NATE-1307

Lot. No. (See product label)

### Introduction

**Description** An endodextranase that hydrolyzes-(1,6)-glucosidic linkages in dextran. Dextrans are undesirable compounds synthesized from sucrose by microbial contaminants during sugar production that increase viscosity of the flow and decrease industrial recovery. Dextranase has been used for hydrolyzing dextran at sugar mills in order to improve efficiency of sugar production.

**Synonyms** EC 3.2.1.11, dextran hydrolase; endodextranase; dextranase DL 2; DL 2; endo-dextranase;  $\alpha$ -D-1,6-glucan-6-glucanohydrolase; 1,6- $\alpha$ -D-glucan 6-glucanohydrolase; 9025-70-1; Dextranase

### Product Information

**Species** Streptococcus mutans

**Source** E. coli

**Form** 35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl<sub>2</sub>, 0.02% sodium azide and 25% (v/v) glycerol

**EC Number** EC 3.2.1.11

**CAS No.** 9025-70-1

**Molecular Weight** 96.56 kDa

**Purity** >90% by SDS-PAGE

**Concentration** 0.25 mg/mL

**pH Stability** 5.1-10.6

**Optimum temperature** 37 °C

**Specificity** Dextrans

### Storage and Shipping Information

**Storage** This enzyme is shipped at room temperature but should be stored at -20 °C.