



DEXTRANASE from *Chaetomium* sp. (Lot 161102)

E-DEXT

(EC 3.2.1.11)

CAS: 9025-70-1

05/21

PROPERTIES

1. ELECTROPHORETIC PURITY:

- One major band on SDS-gel electrophoresis (MW ~ 66,000 kDa)

2. SPECIFIC ACTIVITY:

310 U/mg protein at pH 5.0 and 40°C;

~ 607 U/mg protein at pH 5.0 and 60°C.

One Unit of dextranase activity is defined as the amount of enzyme required to release one micromole of reducing-sugar equivalents from Dextran B512 per minute under the conditions stated.

3. SPECIFICITY:

Hydrolysis of α -1,6 glucosidic linkages in dextran.

4. PHYSICOCHEMICAL PROPERTIES:

Recommended conditions of use are at pH 5.0-6.0 and up to 60°C

pH Optima: 5.0

pH Stability: 5.0-7.0 (at 37°C)

Temperature Optima: 60°C

Temperature Stability: unstable above 65°C

5. STORAGE CONDITIONS:

The enzyme is supplied as a glycerol solution and should be stored at 4°C. For assay, this enzyme should be diluted in sodium acetate buffer (100 mM), pH 5.0, containing 1 mg/mL BSA.