

## Hyaluronate lyase from *Streptococcus equi*, Recombinant

Cat. No. NATE-1210

Lot. No. (See product label)

### Introduction

**Description** Hyaluronate lyase degrades hyaluronate using an elimination reaction to break glycosidic linkages yielding unsaturated disaccharide products.

**Synonyms** hyaluronidase; glucuronoglycosaminoglycan lyase; spreading factor; mucinase; 37259-53-3; EC 4.2.2.1; hyaluronate lyase

### Product Information

**Source** Streptococcus equi 4047

**Form** Supplied in 3.2 M ammonium sulphate

**EC Number** EC 4.2.2.1

**CAS No.** 37259-53-3

**Molecular Weight** 38447.1 Da

**Purity** > 95 % as judged by SDS-PAGE

**Activity** 4.6 U/mg

**Concentration** 8 U/ml

**Optimum pH** ~ 6.0

**Optimum temperature** 37°C

**Unit Definition** One unit is defined as the amount of enzyme required to release 1µmol of 4,5-unsaturated product per minute from 1 mg/mL hyaluronic acid in 50 mM sodium acetate buffer, pH 6.0, at 37°C, as measured at 232 nm.

### Usage and Packaging

**Preparation Instructions** Agitate vial sufficiently to fully homogenise enzyme precipitate before use.

### Storage and Shipping Information

**Storage** Store at 4°C (shipped at room temperature)