

## Native Rabbit Peptidyl Arginine Deiminase

Cat. No. NATE-0501

Lot. No. (See product label)

### Introduction

**Description** Peptidyl arginine deiminase is the enzyme that converts arginine into citrulline. Calcium is required for peptidylarginine deiminase activity in vitro.

**Applications** Peptidyl arginine deiminase has been used in a study that assessed promising novel biomarkers for the early diagnosis of rheumatoid arthritis. It has also been used in a study to investigate the autopathogenic correlation of periodontitis and rheumatoid arthritis.

**Synonyms** protein-arginine deiminase; peptidylarginine deiminase; PAD; EC 3.5.3.15; 75536-80-0

### Product Information

**Species** Rabbit

**Source** Rabbit skeletal muscle

**Form** buffered aqueous glycerol solution; Solution in 20 mM Tris-HCl, pH 7.4, containing 10 mM 2-mercaptoethanol, 1 mM EDTA and 10% glycerol

**EC Number** EC 3.5.3.15

**CAS No.** 75536-80-0

**Activity** > 200 units/mg protein (Bradford)

**Unit Definition** One unit will produce 1  $\mu$ mole of N- $\alpha$ -benzoylcitrulline ethyl ester from BAEE per hr at 55°C at pH 7.2.

### Storage and Shipping Information

**Storage** -70°C