

## 17β-estradiol 17-dehydrogenase

Cat. No. EXWM-0348

Lot. No. (See product label)

### Introduction

**Description** The enzyme oxidizes or reduces the hydroxy/keto group on C17 of estrogens and androgens in mammals and regulates the biological potency of these steroids. The mammalian enzyme is bifunctional and also catalyses EC 1.1.1.270, 3β-hydroxysteroid 3-dehydrogenase. The enzyme also acts on (S)-20-hydroxypregn-4-en-3-one and related compounds, oxidizing the (S)-20-group, but unlike EC 1.1.1.149, 20α-hydroxysteroid dehydrogenase, it is Si-specific with respect to NAD(P)+.

**Synonyms** 20α-hydroxysteroid dehydrogenase; 17β,20α-hydroxysteroid dehydrogenase; 17β-estradiol dehydrogenase; estradiol dehydrogenase; estrogen 17-oxidoreductase; 17β-HSD; HSD17B7

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.62

**CAS No.** 9028-61-9

**Reaction** 17β-estradiol + NAD(P)+ = estrone + NAD(P)H + H+

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.