

## glutamate dehydrogenase

Cat. No. EXWM-1453

Lot. No. (See product label)

### Introduction

**Description** Glutamate dehydrogenase (GLDH) is an enzyme, present in most microbes and the mitochondria of eukaryotes, as are some of the other enzymes required for urea synthesis, that converts glutamate to  $\alpha$ -ketoglutarate, and vice versa.

**Synonyms** glutamic dehydrogenase; glutamate dehydrogenase (NAD); glutamate oxidoreductase; glutamic acid dehydrogenase; L-glutamate dehydrogenase; NAD-dependent glutamate dehydrogenase; NAD-dependent glutamic dehydrogenase; NAD-glutamate dehydrogenase; NAD-linked glutamate dehydrogenase; NAD-linked glutamic dehydrogenase; NAD-specific glutamic dehydrogenase; NAD-specific glutamate dehydrogenase; NAD:glutamate oxidoreductase; NADH-linked glutamate dehydrogenase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.4.1.2

**CAS No.** 9001-46-1

**Reaction**  $\text{L-glutamate} + \text{H}_2\text{O} + \text{NAD}^+ = \text{2-oxoglutarate} + \text{NH}_3 + \text{NADH} + \text{H}^+$

**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.