



# Native Pyruvate Oxidase (DAG-WT1311)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	One unit is defined as the amount of enzyme which generates 1 $\mu$ mole of H <sub>2</sub> O <sub>2</sub> per minute at 37°C under the conditions specified in the assay procedure.
<b>Conjugate</b>	N/A
<b>Applications</b>	Enzymatic determination
<b>Molecular Weight</b>	70 kDa
<b>Format</b>	Lyophilized
<b>Size</b>	1 KU
<b>Buffer</b>	Enzyme dilution buffer
<b>Storage</b>	Store at -20°C

## BACKGROUND

<b>Introduction</b>	Pyruvate dehydrogenase belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with oxygen as acceptor. The systematic name of this enzyme class is pyruvate:oxo 2-oxidoreductase (phosphorylating). Other names in common use include pyruvic oxidase, and phosphate-dependent pyruvate oxidase. This enzyme participates in pyruvate metabolism. It has 2 cofactors: FAD, and Thiamin diphosphate.
<b>Keywords</b>	Pyruvate Oxidase; EC 1.2.3.3