



# Native 12α-Hydroxysteroid Dehydrogenase (DAG-WT1265)

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 oxidizes 1 μmole of Cholic acid to 12-Oxocholeic acid per minute at 37°C under the conditions specified in the assay procedure.
<b>Conjugate</b>	N/A
<b>Applications</b>	Enzymatic cycling determination
<b>Molecular Weight</b>	78 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>	12α-hydroxysteroid dehydrogenase belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD <sup>+</sup> or NADP <sup>+</sup> as acceptor. The systematic name of this enzyme class is 12α-hydroxysteroid:NADP <sup>+</sup> 12-oxidoreductase. Other names in common use include 12α-hydroxy steroid dehydrogenase, 12α-hydroxy steroid dehydrogenase, NAD <sup>+</sup> -dependent 12α-hydroxysteroid dehydrogenase, and NADP <sup>+</sup> -12α-hydroxysteroid dehydrogenase. This enzyme is involved in a metabolic pathway that degrades bile acids into cholesterol.
<b>Keywords</b>	12α-hydroxysteroid dehydrogenase; 12α-HSDH