Creative Enzymes®

# Native Rabbit α-Glycerophosphate Dehydrogenase-Triosephosphate Isomerase

*Cat. No. NATE-0751*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | α-glycerophosphate dehydrogenase catalyzes the conversion of dihydroxyacetone to glycerol phosphate. |
| ***Applications*** | α-glycerophosphate dehydrogenase was used in 2-deoxy-ribose 5-phosphate aldolase (DERA) cleavage (retroaldol) assay. |
| ***Synonyms*** | α-glycerol phosphate dehydrogenase (NAD); α-glycerophosphate dehydrogenase (NAD); glycerol 1-phosphate dehydrogenase; glycerol phosphate dehydrogenase (NAD); glycerophosphate dehydrogenase (NAD); hydroglycerophosphate dehydrogenase; L-α-glycerol phosphate dehydrogenase; L-α-glycerophosphate dehydrogenase; L-glycerol phosphate dehydrogenase; L-glycerophosphate dehydrogenase; NAD-α-glycerophosphate dehydrogenase; NAD-dependent glycerol phosphate dehydrogenase; NAD-dependent glycerol-3-phosphate dehydrogenase; NAD-L-glycerol-3-phosphate dehydrogenase; NAD-linked glycerol 3-phosphate dehydrogenase; NADH-dihydroxyacetone phosphate reductase; glycerol-3-phosphate dehydrogenase (NAD); EC 1.1.1.8; α-GDH-TPI |

## Product Information

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| ***Species*** | Rabbit |
| ***Source*** | Rabbit muscle |
| ***Form*** | ammonium sulfate suspension. Mixed crystalline suspension in 3.2 M (NH4)2SO4, pH 6 |
| ***EC Number*** | EC 1.1.1.8 |
| ***CAS No.*** | 9075-65-4 |
| ***Activity*** | TPI 750-2000 units/mg protein, GDH 75-200 units/mg protein (biuret) |
| ***Unit Definition*** | (α-GDH) One unit will convert 1.0 µmole of dihydroxyacetone phosphate to α-glycerophosphate per min at pH 7.4 at 25°C. (TPI) One unit will convert 1.0 µmole of D-glyceraldehyde 3-phosphate to dihydroxyacetone phosphate per min at pH 7.6 at 25°C. |

## Storage and Shipping Information

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| ***Storage*** | 2-8°C |