

ARG82133 Alcohol Dehydrogenase Activity Assay Kit (Colorimetric)

Package: 100 tests

Store at: -20°C

Summary

Product Description	ARG82133 Alcohol Dehydrogenase Activity Assay Kit (Colorimetric) can be used to measure Alcohol Dehydrogenase activity in serum, plasma, urine, tissue and culture media.
Tested Reactivity	Hu, Ms, Rat, All
Tested Application	FuncSt
Target Name	ADH1B
Conjugation Note	Read at 565 nm
Sensitivity	0.4 U/L (30 min reaction); 0.1 U/L (120 min reaction)
Detection Range	0.4 - 80 U/L for 30 min reaction
Sample Type	serum, plasma, urine, tissue and culture media
Sample Volume	20 µl
Alternate Names	HEL-S-117; ADH2; EC 1.1.1.1; Alcohol dehydrogenase subunit beta; Alcohol dehydrogenase 1B

Application Instructions

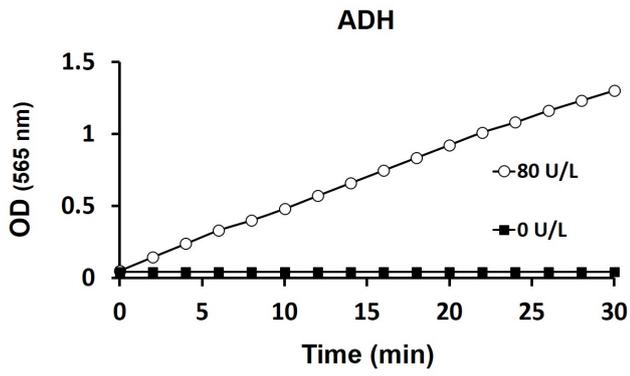
Application Note	Please note that this kit does not include a microplate.
Assay Time	30 min

Properties

Form	Liquid
Storage instruction	Store the kit at -20°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ADH1B
Gene Full Name	alcohol dehydrogenase 1B (class I), beta polypeptide
Background	The protein encoded by this gene is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. This encoded protein, consisting of several homo- and heterodimers of alpha, beta, and gamma subunits, exhibits high activity for ethanol oxidation and plays a major role in ethanol catabolism. Three genes encoding alpha, beta and gamma subunits are tandemly organized in a genomic segment as a gene cluster. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]
Cellular Localization	Cytoplasm. [UniProt]



ARG82133 Alcohol Dehydrogenase Activity Assay Kit (Colorimetric) enzyme kinetics graph

Kinetics of 0 and 80 U/L Alcohol Dehydrogenase reaction, using ARG82133 Alcohol Dehydrogenase Activity Assay Kit (Colorimetric).