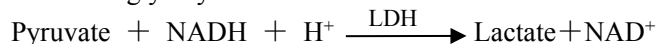


Lactate Dehydrogenase

Lactate dehydrogenase (EC 1.1.1.27) (LDH) mostly were found in animal muscle. LDH catalyzes the conversion of pyruvate to lactate with concomitant oxidation of NADH during the last step in anaerobic glycolysis. Reaction is as follows:



This enzyme is useful for enzymatic determination of numerous metabolites, e.g.ATP, ADP, glucose, creatinine, pyruvate, lactate and glycerol and of enzyme activities, e.g.GPT, PK and CPK when coupled with the related enzymes.

LDH

Latest LDH have been developed by CUSAg. LDH was applied to the alanine aminotransferase (ALT). Multiple clinical samples have been respectively tested by CUSAg ALT reagent and high-quality ALT kit, the results had good correlation between them. This product is qualified for IVD assay development.

PROPERTIES	SPECIFICATION
Appearance	White amorphous powder, lyophilized
Activity	≥900 U/mg-solid
Source	Microorganism
Purification method, purity	column chromatography, ≥90%(SDS-PAGE)
Storage	-20°C
Application	ALT and other possible application
Catalog Number	CSB-DE006

Clinical analysis

An amount of samples from donors (n=30) were respectively detected by the high-quality ALT kit and CUSAg ALT reagent .The results had good correlation between CUSAg ALT assays and kit.

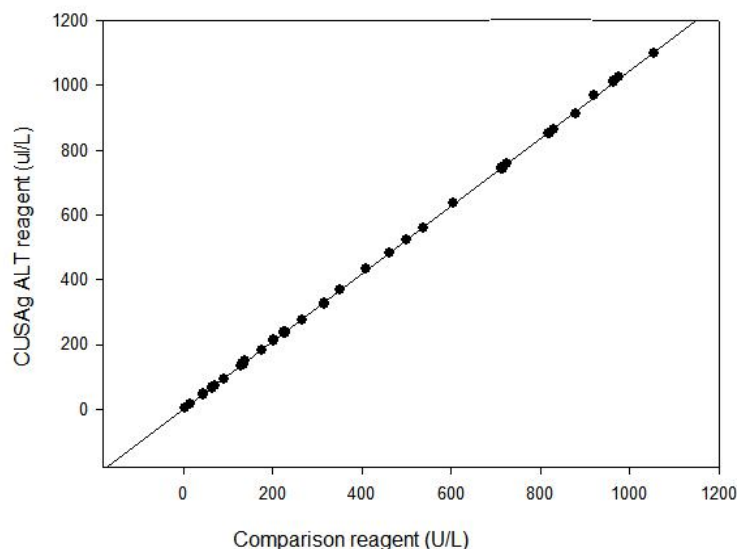


Fig.1 Method comparison between CUSAg ALT reagent and commercial diagnostic kit