

OYC Biochemicals

for AST/ALT assay



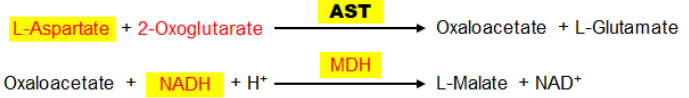
OYC's Biochemicals are the most suitable for the development and manufacturing of IVD reagents. All products have passed stringent product specification.

We have been supplying variety of raw materials for AST/ALT assays in liver function tests based on our valuable customers' requests. We are very proud to inform you that we offer a wide range of those products for fitting your R&D concept of AST/ALT assays.

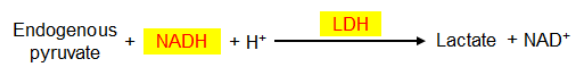
Assay Principle

AST Aspartate transaminase Liver function tests

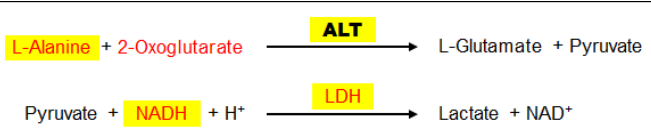
Main Reaction



Elimination of pyruvate interference



ALT Alanine transaminase Liver function tests



Major ingredients in the reagent are colored **red**.
OYC's available product is highlighted in **yellow**.

OYC can supply the following products in bulk size!

OYC's PRODUCTS for AST/ALT assay

Please contact us for the detailed product features.

rLDH

Properties

Product Item	Catalog No.	pH stability (25°C, 1 week)	Thermal stability (pH 7.5, 10 min)	Optimum pH	Optimum temp.	Km value (Pyruvate)	Km value (NADH)
rLDH(CH)	46757903	6.0-9.5	≤ 65°C	7.0-7.5	≥ 37°C	4.1 x 10 ⁻⁵ mol/L	1.8 x 10 ⁻⁵ mol/L
rLDH(PH)	46862903	5.5-8.0	≤ 55°C	7.0-8.0	70°C	6.5 x 10 ⁻⁵ mol/L	1.8 x 10 ⁻⁵ mol/L
rLDH(RM)	46764900	6.5-8.0	≤ 45°C	6.0	50°C	2.1 x 10 ⁻⁴ mol/L	1.2 x 10 ⁻⁵ mol/L
rD-LDH(Bacteria)	46762903	5.5-9.5	≤ 55°C	7.0	45-50°C	2.6 x 10 ⁻⁴ mol/L	1.1 x 10 ⁻⁴ mol/L
rD-LDH(L)	46867903	5.5-9.5	≤ 40°C	6.5	25-30°C	8.4 x 10 ⁻⁴ mol/L	9.9 x 10 ⁻⁵ mol/L

rMDH

Properties

Product Item	Catalog No.	pH stability (25°C, 1 week)	Thermal stability (pH 7.5, 15 min)	Optimum pH	Optimum temp.	Km value (Oxaloacetate)	Km value (NADH)
rMDH	46756903	4.5-9.0	≤ 80°C	5.5-8.0	≥ 37°C	9.0 x 10 ⁻⁵ mol/L	3.9 x 10 ⁻⁵ mol/L

NADH

Product Item	Catalog No.
NADH	44320900

Aspartate

Product Item	Catalog No.
L-Aspartate	AGF ASP-AJ001

Alanine

Product Item	Catalog No.
L-Alanine	AGF ALA-AJ001

Control/Calibrator

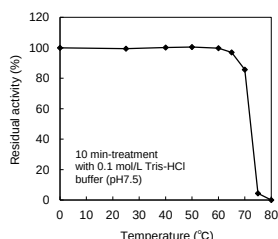
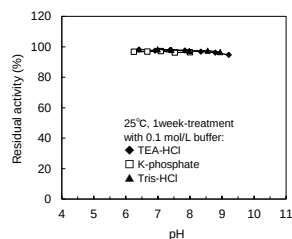
Product Item	Catalog No.
rhAST	46887903
rhALT	46896903
Human Enzyme Calibrator	Please contact us

REFERENCE DATA -rLDHs

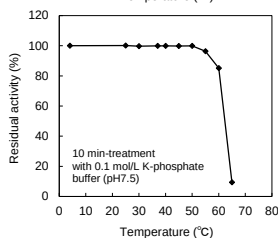
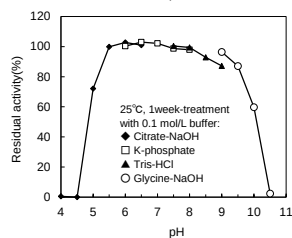
pH stability

Thermal stability

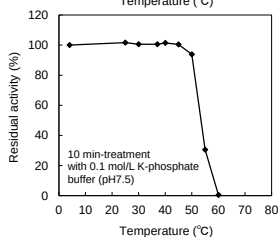
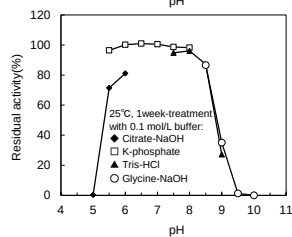
rLDH
(CH)



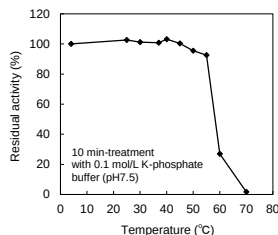
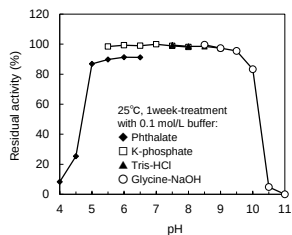
rLDH
(PH)



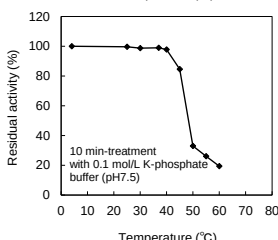
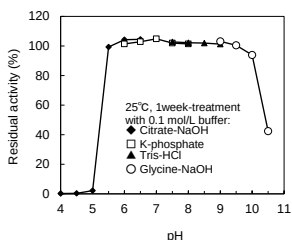
rLDH
(RM)



rD-LDH
(Bacteria)



rD-LDH
(L)

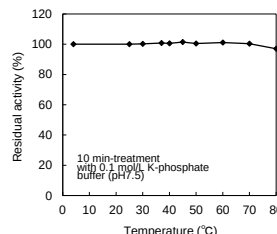
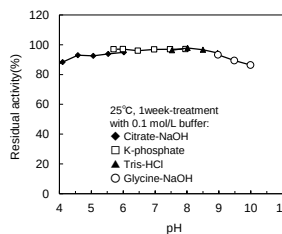


REFERENCE DATA -rMDH

rMDH

pH stability

Thermal stability

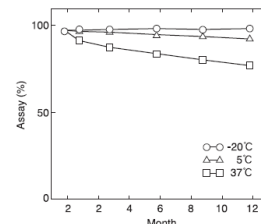
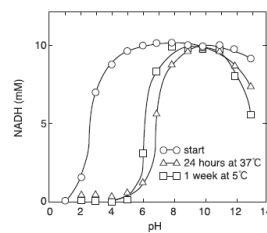


REFERENCE DATA -NADH

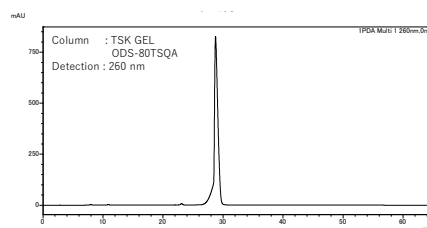
NADH

pH stability

Long term stability



Purity



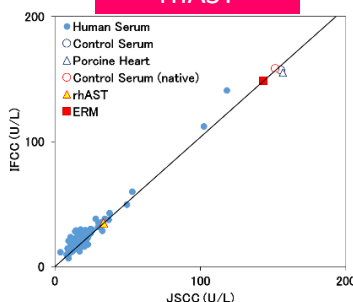
REFERENCE DATA -rhAST, rhALT

Commutability

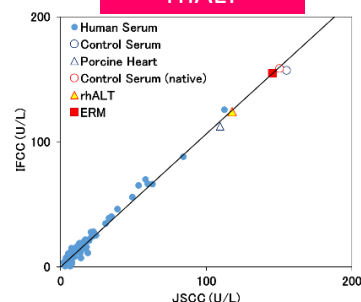
OYC recombinant human enzymes (rhAST, rhALT), Human Serum, Control Serum, Porcine Heart, Control Serum (native) and ERM were analyzed by IFCC method at 37°C and JSCC method.

ERM : Japanese Enzyme Reference material
 JSCC : Japan Society of Clinical Chemistry
 IFCC : International Federation of Clinical Chemistry and Laboratory Medicine

rhAST



rhALT



OYC supports the development and manufacturing of IVD reagents for our customers.



ORIENTAL YEAST CO.,LTD.

Please contact our sales representative or visit the following website.

<http://www.oyc-bio.jp/pages/info/english>