

OYC Biochemicals

for Ammonia assay



OYC's Biochemicals are the most suitable for the development and manufacturing of IVD reagents. All products have passed stringent product specification. We supply a variety of raw materials for Ammonia assays in liver function tests based on our valuable customers' requests. Would you like to get ammonia reagents that match your concept by combining our raw materials?

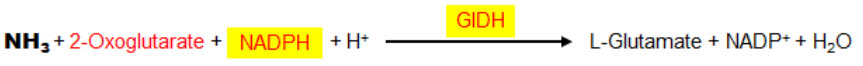
Assay Principle

Ammonia

Ammonia Plasma; NH_3

Liver function tests

NADPH-used system



NADH-used system



For NADH-used systems, eliminating endogenous pyruvate interference by adding **LDH**.



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 Ammonia assay

Please contact us for the detailed product features.

■ For NADPH used system

rGIDH

Properties

Product Item	Catalog No.	pH stability (25°C, 1 week)	Thermal stability (pH 7.5, 10 min)	Optimum pH	Optimum temp.	Km value (2-Oxoglutarate)	Km value (NADPH)
rGIDH(Y)	46747903	7.5-9.5	≤ 50°C	8.5-9.0	37°C	1.9 x 10 ⁻⁴ mol/L	2.2 x 10 ⁻⁵ mol/L

■ For NADH used system

rGIDH

Properties

Product Item	Catalog No.	pH stability (37°C, 1 week)	Thermal stability (pH 7.8, 10 min)	Optimum pH	Optimum temp.	Km value (2-Oxoglutarate)	Km value (NADH)
rGIDH(NAD)	46874903	7.5	≤ 60°C	7.4-7.8	45°C	3.0 x 10 ⁻³ mol/L	1.7 x 10 ⁻⁴ mol/L

rLDH

Please refer to "OYC IVD News Vol. 2" for detailed information.

Product Item	Catalog No.
rLDH(CH)	46757903
rLDH(PH)	46862903
rLDH(RM)	46764900
rD-LDH(Bacteria)	46762903
rD-LDH(L)	46867903

■ For NADPH used system

NADPH

Product Item	Catalog No.
NADPH	44320900

■ For NADH used system

NADH

Product Item	Catalog No.
NADH	44320900

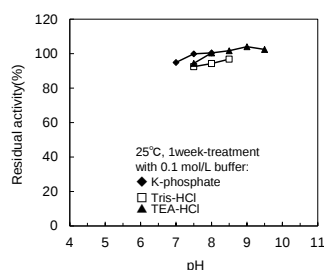
REFERENCE DATA -rGIDHs

OYC has two types of rGIDH adapted the NADPH or NADH used system.

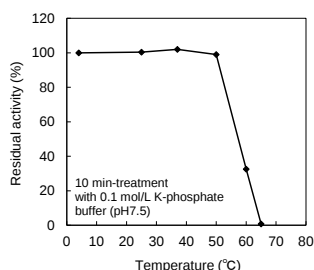
■ For NADPH used system

rGIDH(Y)

pH stability



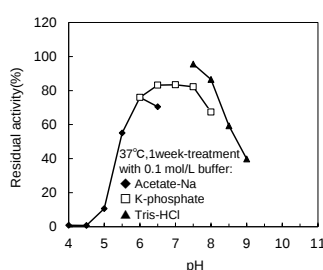
Thermal stability



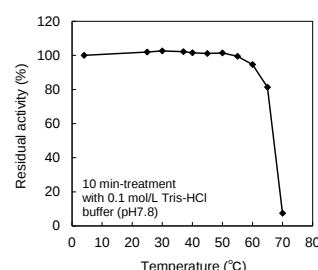
■ For NADH used system

rGIDH(NAD)

pH stability



Thermal stability



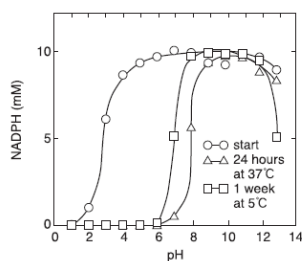
CHECK!

rGIDH is also useful as a raw material for **Urea Nitrogen (UN)** reagents. Details will be introduced in the next news, "OYC IVD News Vol.6".

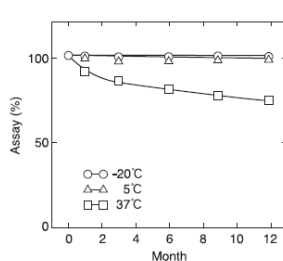
REFERENCE DATA -NADPH

NADPH

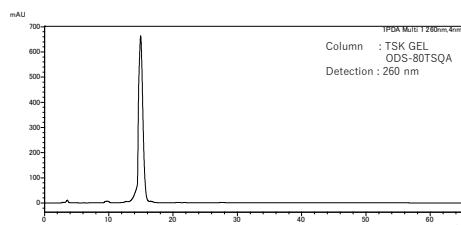
pH stability



Long term stability



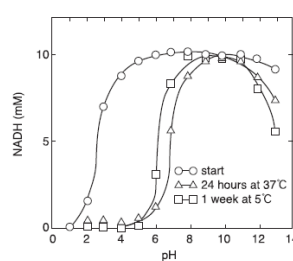
Purity



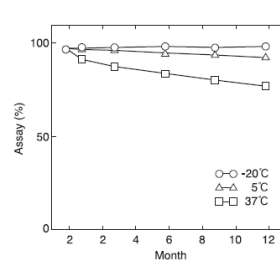
REFERENCE DATA -NADH

NADH

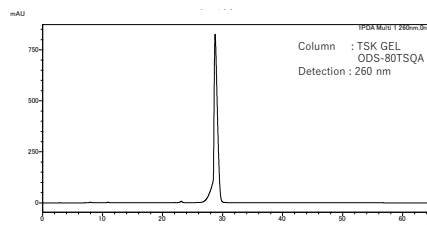
pH stability



Long term stability



Purity



OYC supports the development and manufacture 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>