

**Enzymes**  
**Coenzymes**  
**Substrates**

**Biochemicals for Diagnostics**  
**2022-2023**

**Proteins**  
**Antibodies**  
**Controls**



# Contents

## Raw Materials for Reagents

|                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                   |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| <b>ALP</b>                                                                                                                                                                                                                                                                                                   | Alkaline Phosphatase; ALK PHOS; Alkp                                                                                                                                                              | 4  |
| rhALP, Accustabilis Chem High, Accustabilis Chem 1, Accustabilis Chem 2                                                                                                                                                                                                                                      |                                                                                                                                                                                                   |    |
| <b>ALT</b>                                                                                                                                                                                                                                                                                                   | Alanine Aminotransferase; Serum Glutamic-Pyruvic Transaminase; SGPT; GPT; Alanine Transaminase                                                                                                    | 5  |
| $\beta$ -NADH, Pyridoxamine phosphate, rLDH(CH), rLDH(PH), rLDH(RM), rD-LDH(Bacteria), rD-LDH(L), rhALT, Accustabilis Chem High, Accustabilis Chem 1, Accustabilis Chem 2                                                                                                                                    |                                                                                                                                                                                                   |    |
| <b>Ammonia</b>                                                                                                                                                                                                                                                                                               | Ammonia Plasma; $\text{NH}_3$                                                                                                                                                                     | 6  |
| $\beta$ -NADH, $\beta$ -NADPH, rGIDH(NAD), rGIDH(NADP), rGIDH(Y), rLDH(CH), rLDH(PH), rLDH(RM), rD-LDH(Bacteria), rD-LDH(L)                                                                                                                                                                                  |                                                                                                                                                                                                   |    |
| <b>AST</b>                                                                                                                                                                                                                                                                                                   | Aspartate Aminotransferase; Serum Glutamic-Oxaloacetic Transaminase; SGOT; GOT; Aspartate Transaminase                                                                                            | 7  |
| $\beta$ -NADH, Pyridoxamine phosphate, rLDH(CH), rLDH(PH), rLDH(RM), rD-LDH(Bacteria), rD-LDH(L), rMDH, rhAST, Accustabilis Chem High, Accustabilis Chem 1, Accustabilis Chem 2                                                                                                                              |                                                                                                                                                                                                   |    |
| <b>Bicarbonate</b>                                                                                                                                                                                                                                                                                           | Total $\text{CO}_2$ ; $\text{TCO}_2$ ; Carbon Dioxide Content; $\text{CO}_2$ Content; Bicarb; $\text{HCO}_3^-$                                                                                    | 8  |
| $\beta$ -NADH, PEP, rMDH                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                   |    |
| <b>BUN</b>                                                                                                                                                                                                                                                                                                   | Blood Urea Nitrogen; Urea Nitrogen; Urea                                                                                                                                                          | 9  |
| $\beta$ -NADH, $\beta$ -NADPH, rGIDH(NAD), rGIDH(NADP), rGIDH(Y), rUrease, Accustabilis Chem 1, Accustabilis Chem 2                                                                                                                                                                                          |                                                                                                                                                                                                   |    |
| <b>BUN / UUN</b>                                                                                                                                                                                                                                                                                             | Blood Urea Nitrogen; Urea Nitrogen; Urea / Urine Urea Nitrogen                                                                                                                                    | 10 |
| $\beta$ -NADPH, rGIDH(NADP), rICDH(Taq), rUrease, D-Isocitrate-K, Accustabilis Chem 1, Accustabilis Chem 2                                                                                                                                                                                                   |                                                                                                                                                                                                   |    |
| <b>Carnitine</b>                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                   | 11 |
| $\beta$ -NADH, Thio-NAD $^+$ , rACE, rCDH                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                   |    |
| <b>Cholinesterase</b>                                                                                                                                                                                                                                                                                        | ChS; AChE; RBC Cholinesterase; Red Cell Cholinesterase; BChE; Plasma Cholinesterase; Pseudocholinesterase; PCHE; Erythrocyte Acetylcholinesterase; Butyrylcholinesterase                          | 12 |
| $\beta$ -NADPH, rPBH, rPCO                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                   |    |
| <b>Creatine Kinase</b>                                                                                                                                                                                                                                                                                       | CK; Total CK; Creatine Phosphokinase; CPK                                                                                                                                                         | 13 |
| $\beta$ -NADP $^+$ , $\beta$ -NADP $^{+}$ -K, $\beta$ -NADP $^{+}$ -Na $_2$ , ADP, ADP-K, AMP-Na, APSA-3Li, CP, rG-6-PDH(L)-43, rG-6-PDH(L)-93, rHK(Y), r6-PGL(L), rhCK-MB, rhCK-MM, Accustabilis Chem High, Accustabilis Chem 1, Accustabilis Chem 2                                                        |                                                                                                                                                                                                   |    |
| <b>Creatine Kinase-MB</b>                                                                                                                                                                                                                                                                                    | CK MB; CPK MB                                                                                                                                                                                     | 14 |
| $\beta$ -NADP $^+$ , $\beta$ -NADP $^{+}$ -K, $\beta$ -NADP $^{+}$ -Na $_2$ , ADP, ADP-K, AMP-Na, APSA-3Li, CP, rG-6-PDH(L)-43, rG-6-PDH(L)-93, rHK(Y), r6-PGL(L), r6-PGDH(Y), CK-MM-MCAmL(MX1)-12, CK-MM-MCAmL(MX1)-12S, rhCK-MB, rhCK-MM, Accustabilis Chem High, Accustabilis Chem 1, Accustabilis Chem 2 |                                                                                                                                                                                                   |    |
| <b>GGT</b>                                                                                                                                                                                                                                                                                                   | Gamma-Glutamyl Transferase; Gamma-Glutamyl Transpeptidase; GGTP; Gamma-GT; GTP                                                                                                                    | 15 |
| rhyGT, Accustabilis Chem High, Accustabilis Chem 1, Accustabilis Chem 2                                                                                                                                                                                                                                      |                                                                                                                                                                                                   |    |
| <b>Glucose</b>                                                                                                                                                                                                                                                                                               | Blood Glucose; Urine Glucose; Blood Sugar; Fasting Blood Sugar; FBS; Fasting Blood Glucose; FBG; Fasting Plasma Glucose; FPG; Blood Glucose; Oral Glucose Tolerance Test; OGT; GTT; Urine Glucose | 16 |
| $\beta$ -NAD $^+$ , $\beta$ -NADP $^+$ , ATP-II, rG-6-PDH(L)-43, rG-6-PDH(L)-93, rHK(Y), Accustabilis Chem 1, Accustabilis Chem 2                                                                                                                                                                            |                                                                                                                                                                                                   |    |
| <b>NEFA</b>                                                                                                                                                                                                                                                                                                  | Non-Esterified Fatty Acid                                                                                                                                                                         | 17 |
| CoA, CoA-Li, ATP-II, POD                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                   |    |
| <b>TBA</b>                                                                                                                                                                                                                                                                                                   | Total Bile Acids; Bile Acids                                                                                                                                                                      | 18 |
| $\beta$ -NADH, Thio-NAD $^+$ , r3 $\alpha$ -HSDH                                                                                                                                                                                                                                                             |                                                                                                                                                                                                   |    |



## Raw Materials for Reagents

### Triglycerides

TG; TRIG

ATP-II, POD, rGK, rGPO, Accustabilis Chem 1, Accustabilis Chem 2

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### Uric Acid

Serum Urate; UA

POD, rUricase[Y], rUricase-03, rUricase-73, Accustabilis Chem 1, Accustabilis Chem 2

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## OEM reagents

### Creatinine

Creat; Blood Creatinine; Serum Creatinine; Urine Creatinine

CRE-S R1, CRE-S R2, Accustabilis Chem 1, Accustabilis Chem 2

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### CRP

C-Reactive Protein

CRP-OY R1, CRP-OY R2, CRP Calibrator Set, CRP Control-L, CRP Control-H

22

### Cys-C

Cystatin C

Cys-C-OY R-1, Cys-C-OY R-2, Cys-C Calibrator Set, Cys-C Control-L, Cys-C Control-H

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### HDL Cholesterol

HDL; HDL-C; High Density Lipoprotein Cholesterol

HDL-OY R1, HDL-OY R2, HDL/LDL-OY Calibrator (1mL)

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### LDL Cholesterol

LDL; LDL-C; Low Density Lipoprotein Cholesterol

LDL-OY R1, LDL-OY R2, HDL/LDL-OY Calibrator (1mL)

25

## Control Serum

### Linearity Control

Accustabilis Chem High

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### Multiple Control

Accustabilis Chem 1, Accustabilis Chem 2

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### Immunology Control

Accustabilis Immun 1/2

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## Abbreviations

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# ALP

Alkaline Phosphatase; ALK PHOS; Alkp

## Assay Principle



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

## Product List

| Application        | Product Item           | Catalog No. | Pack Size | Remarks              |
|--------------------|------------------------|-------------|-----------|----------------------|
| Control/Calibrator | rhALP                  | 46884903    | Bulk      |                      |
| Linearity Check    | Accustabilis Chem High | 47042900    | Set       |                      |
| Multiple Control   | Accustabilis Chem 1    | 47582900    | Set       | Shipped with Dry Ice |
|                    | Accustabilis Chem 2    | 47583900    | Set       | Shipped with Dry Ice |



# ALT

Alanine Aminotransferase; Serum Glutamic-Pyruvic Transaminase; SGPT; GPT; Alanine Transaminase

## Assay Principle



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

## Product List

| Application        | Product Item           | Catalog No. | Pack Size | Remarks              |
|--------------------|------------------------|-------------|-----------|----------------------|
| Raw Materials      | β-NADH                 | 44320900    | Bulk      |                      |
|                    | Pyridoxamine phosphate | 44600900    | Bulk      |                      |
|                    | rLDH(CH)               | 46757903    | Bulk      |                      |
|                    | rLDH(PH)               | 46862903    | Bulk      |                      |
|                    | rLDH(RM)               | 46764903    | Bulk      |                      |
|                    | rD-LDH(Bacteria)       | 46762903    | Bulk      |                      |
|                    | rD-LDH(L)              | 46867903    | Bulk      |                      |
| Control/Calibrator | rhALT                  | 46896903    | Bulk      |                      |
| Linearity Check    | Accustabilis Chem High | 47042900    | Set       |                      |
| Multiple Control   | Accustabilis Chem 1    | 47582900    | Set       | Shipped with Dry Ice |
|                    | Accustabilis Chem 2    | 47583900    | Set       | Shipped with Dry Ice |



# Ammonia

Ammonia Plasma; NH<sub>3</sub>

## Assay Principle - NADPH Used System



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

## Product List

| Application   | Product Item | Catalog No. | Pack Size | Remarks |
|---------------|--------------|-------------|-----------|---------|
| Raw Materials | β-NADPH      | 44332900    | Bulk      |         |
|               | rGIDH(NADP)  | 46764904    | Bulk      |         |
|               | rGIDH(Y)     | 46747903    | Bulk      |         |

## Assay Principle - NADH Used System



\*1 : The reagent contains **LDH** in excess,  
to rapidly reduce endogenous pyruvate so that it does not interfere with the assay system.

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

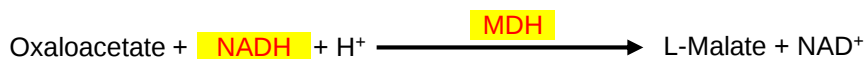
## Product List

| Application   | Product Item     | Catalog No. | Pack Size | Remarks |
|---------------|------------------|-------------|-----------|---------|
| Raw Materials | β-NADH           | 44320900    | Bulk      |         |
|               | rGIDH(NAD)       | 46874903    | Bulk      |         |
|               | rLDH(CH)         | 46757903    | Bulk      |         |
|               | rLDH(PH)         | 46862903    | Bulk      |         |
|               | rLDH(RM)         | 46764903    | Bulk      |         |
|               | rD-LDH(Bacteria) | 46762903    | Bulk      |         |
|               | rD-LDH(L)        | 46867903    | Bulk      |         |

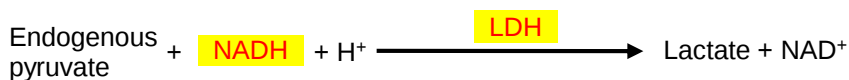


## Assay Principle

## Main Reaction



## Elimination of pyruvate interference



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

## Product List

| Application        | Product Item           | Catalog No. | Pack Size | Remarks              |
|--------------------|------------------------|-------------|-----------|----------------------|
| Raw Materials      | β-NADH                 | 44320900    | Bulk      |                      |
|                    | Pyridoxamine phosphate | 44600900    | Bulk      |                      |
|                    | rLDH(CH)               | 46757903    | Bulk      |                      |
|                    | rLDH(PH)               | 46862903    | Bulk      |                      |
|                    | rLDH(RM)               | 46764900    | Bulk      |                      |
|                    | rD-LDH(Bacteria)       | 46762903    | Bulk      |                      |
|                    | rD-LDH(L)              | 46867903    | Bulk      |                      |
|                    | rMDH                   | 46756903    | Bulk      |                      |
| Control/Calibrator | rhAST                  | 46887903    | Bulk      |                      |
| Linearity Check    | Accustabilis Chem High | 47042900    | Set       |                      |
| Multiple Control   | Accustabilis Chem 1    | 47582900    | Set       | Shipped with Dry Ice |
|                    | Accustabilis Chem 2    | 47583900    | Set       | Shipped with Dry Ice |



# Bicarbonate

Total CO<sub>2</sub>; TCO<sub>2</sub>; Carbon Dioxide Content; CO<sub>2</sub> Content; Bicarb; HCO<sub>3</sub><sup>-</sup>

## Assay Principle



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

## Product List

| Application   | Product Item | Catalog No. | Pack Size | Remarks |
|---------------|--------------|-------------|-----------|---------|
| Raw Materials | β-NADH       | 44320900    | Bulk      |         |
|               | PEP          | 45170900    | Bulk      |         |
|               | rMDH         | 46756903    | Bulk      |         |



# BUN

Blood Urea Nitrogen; Urea Nitrogen; Urea

## Assay Principle - NADPH Used System

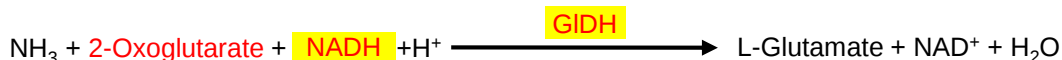
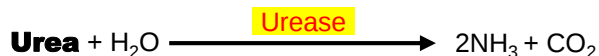


Major ingredients in the reagent are colored **red**.  
OYC's available product is highlighted in **yellow**.

## Product List

| Application      | Product Item        | Catalog No. | Pack Size | Remarks              |
|------------------|---------------------|-------------|-----------|----------------------|
| Raw Materials    | β-NADPH             | 44332900    | Bulk      |                      |
|                  | rGIDH(NADP)         | 46764904    | Bulk      |                      |
|                  | rGIDH(Y)            | 46747903    | Bulk      |                      |
|                  | rUrease             | 46753900    | Bulk      |                      |
| Multiple Control | Accustabilis Chem 1 | 47582900    | Set       | Shipped with Dry Ice |
|                  | Accustabilis Chem 2 | 47583900    | Set       | Shipped with Dry Ice |

## Assay Principle - NADH Used System



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

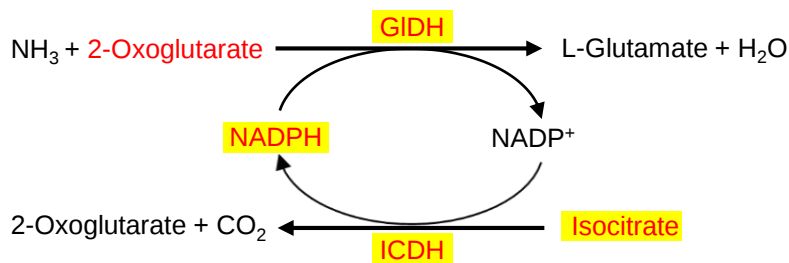
## Product List

| Application      | Product Item        | Catalog No. | Pack Size | Remarks              |
|------------------|---------------------|-------------|-----------|----------------------|
| Raw Materials    | β-NADH              | 44320900    | Bulk      |                      |
|                  | rGIDH(NAD)          | 46874903    | Bulk      |                      |
|                  | rUrease             | 46753900    | Bulk      |                      |
| Multiple Control | Accustabilis Chem 1 | 47582900    | Set       | Shipped with Dry Ice |
|                  | Accustabilis Chem 2 | 47583900    | Set       | Shipped with Dry Ice |



## Assay Principle - Ammonia Elimination Assay

### 1<sup>st</sup> Reaction (Ammonia Elimination)



### 2<sup>nd</sup> Reaction (Urea Nitrogen Measurement)



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

## Product List

| Application      | Product Item        | Catalog No. | Pack Size | Remarks              |
|------------------|---------------------|-------------|-----------|----------------------|
| Raw Materials    | $\beta$ -NADPH      | 44332900    | Bulk      |                      |
|                  | rGIDH(NADP)         | 46764904    | Bulk      |                      |
|                  | rICDH(Taq)          | 46745903    | Bulk      |                      |
|                  | rUrease             | 46753900    | Bulk      |                      |
|                  | D-Isocitrate-K      | 45205900    | Bulk      |                      |
| Multiple Control | Accustabilis Chem 1 | 47582900    | Set       | Shipped with Dry Ice |
|                  | Accustabilis Chem 2 | 47583900    | Set       | Shipped with Dry Ice |

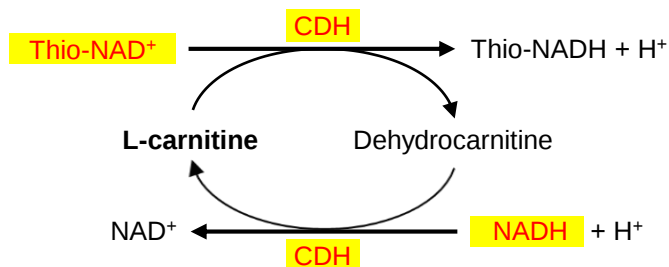
# Carnitine

## Assay Principle - Enzyme Cycling Method

Total carnitine reaction



Total carnitine / Free carnitine common reaction



Acylcarnitine concentration

$$= \text{Total carnitine concentration} - \text{Free carnitine concentration}$$

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

## Product List

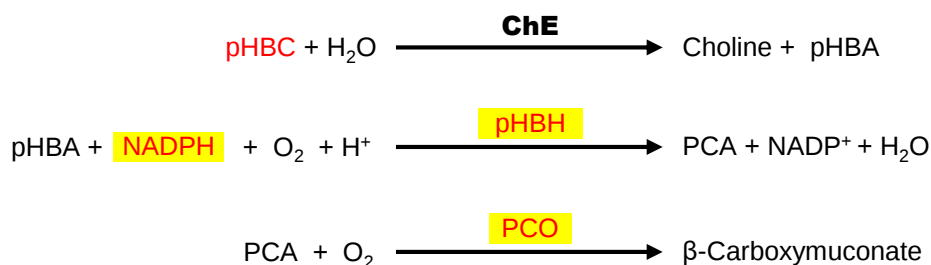
| Application   | Product Item          | Catalog No. | Pack Size | Remarks |
|---------------|-----------------------|-------------|-----------|---------|
| Raw Materials | β-NADH                | 44320900    | Bulk      |         |
|               | Thio-NAD <sup>+</sup> | 44104900    | Bulk      |         |
|               | rACE                  | 46903903    | Bulk      |         |
|               | rCDH                  | 46904903    | Bulk      |         |



# Cholinesterase

CHS; AChE; RBC Cholinesterase; Red Cell Cholinesterase; BChE; Plasma Cholinesterase; Pseudocholinesterase; PCHE; Erythrocyte Acetylcholinesterase; Butyrylcholinesterase

## Assay Principle



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

## Product List

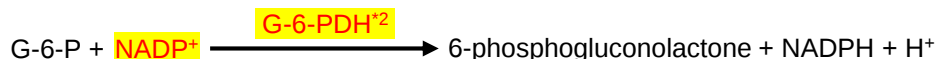
| Application   | Product Item | Catalog No. | Pack Size | Remarks |
|---------------|--------------|-------------|-----------|---------|
| Raw Materials | β-NADPH      | 44332900    | Bulk      |         |
|               | rpHBH        | 46853903    | Bulk      |         |
|               | rPCO         | 46852904    | Bulk      |         |



# Creatine Kinase

CK; Total CK; Creatine Phosphokinase; CPK

## Assay Principle



\*1 AK activity is inhibited by AP5A and AMP in advance.

\*2 Stabilizing CK linearity by adding 6-PGL.

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

## Product List

| Application        | Product Item                         | Catalog No. | Pack Size | Remarks              |
|--------------------|--------------------------------------|-------------|-----------|----------------------|
| Raw Materials      | β-NADP <sup>+</sup>                  | 44292900    | Bulk      |                      |
|                    | β-NADP <sup>+</sup> -K               | 44310900    | Bulk      |                      |
|                    | β-NADP <sup>+</sup> -Na <sub>2</sub> | 44300900    | Bulk      |                      |
|                    | ADP                                  | 45120900    | Bulk      |                      |
|                    | ADP-K                                | 45130900    | Bulk      |                      |
|                    | AMP-Na                               | 45110900    | Bulk      |                      |
|                    | AP5A-3Li                             | 45305000    | Bulk      |                      |
|                    | CP                                   | 45180900    | Bulk      |                      |
|                    | rG-6-PDH(L)-43                       | 46854903    | Bulk      |                      |
|                    | rG-6-PDH(L)-93                       | 46860903    | Bulk      |                      |
| Control/Calibrator | rHK(Y)                               | 46763900    | Bulk      |                      |
|                    | r6-PGL(L)                            | 46765900    | Bulk      |                      |
|                    | rhCK-MB                              | 47014905    | Bulk      | Shipped with Dry Ice |
| Linearity Check    | rhCK-MM                              | 47013905    | Bulk      | Shipped with Dry Ice |
|                    | Accustabilis Chem High               | 47042900    | Set       |                      |
| Multiple Control   | Accustabilis Chem 1                  | 47582900    | Set       | Shipped with Dry Ice |
|                    | Accustabilis Chem 2                  | 47583900    | Set       | Shipped with Dry Ice |

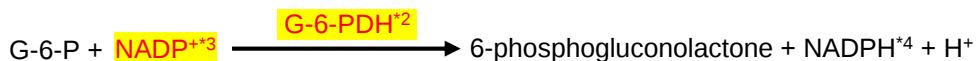


# Creatine Kinase-MB

CK MB; CPK MB

## Assay Principle

Reagent contains **CK-MM Antibody** to inhibit activity of CK-M subunit.



\*1 AK activity is inhibited by **AP5A** and **AMP** in advance.

\*2 Stabilizing CK linearity by adding **6-PGL**.

\*3 CK-MB isoenzyme can be calculated from the measured CK-B activity by multiplying the result by 2.

\*4 **6-PGDH** can be added to amplify absorbance sensitivity.

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

## Product List

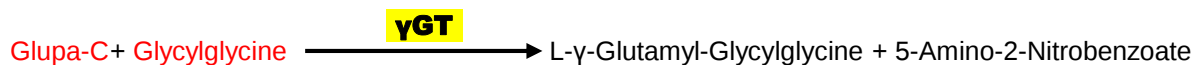
| Application        | Product Item                                | Catalog No. | Pack Size | Remarks              |
|--------------------|---------------------------------------------|-------------|-----------|----------------------|
| Raw Materials      | $\beta$ -NADP <sup>+</sup>                  | 44292900    | Bulk      |                      |
|                    | $\beta$ -NADP <sup>+</sup> -K               | 44310900    | Bulk      |                      |
|                    | $\beta$ -NADP <sup>+</sup> -Na <sub>2</sub> | 44300900    | Bulk      |                      |
|                    | ADP                                         | 45120900    | Bulk      |                      |
|                    | ADP-K                                       | 45130900    | Bulk      |                      |
|                    | AMP-Na                                      | 45110900    | Bulk      |                      |
|                    | AP5A-3Li                                    | 45305000    | Bulk      |                      |
|                    | CP                                          | 45180900    | Bulk      |                      |
|                    | rG-6-PDH(L)-43                              | 46854903    | Bulk      |                      |
|                    | rG-6-PDH(L)-93                              | 46860903    | Bulk      |                      |
|                    | rHK(Y)                                      | 46763900    | Bulk      |                      |
|                    | r6-PGL(L)                                   | 46765900    | Bulk      |                      |
|                    | r6-PGDH(Y)                                  | 46861903    | Bulk      |                      |
|                    | CK-MM-MCAmL(MX1)-12                         | 47099900    | Bulk      |                      |
|                    | CK-MM-MCAmL(MX1)-12S                        | 47097900    | Bulk      |                      |
| Control/Calibrator | rhCK-MB                                     | 47014905    | Bulk      | Shipped with Dry Ice |
|                    | rhCK-MM                                     | 47013905    | Bulk      | Shipped with Dry Ice |
| Linearity Check    | Accustabilis Chem High                      | 47042900    | Set       |                      |
| Multiple Control   | Accustabilis Chem 1                         | 47582900    | Set       | Shipped with Dry Ice |
|                    | Accustabilis Chem 2                         | 47583900    | Set       | Shipped with Dry Ice |



## GGT

Gamma-Glutamyl Transferase; Gamma-Glutamyl Transpeptidase; GGTP; Gamma-GT; GTP

## Assay Principle



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

## Product List

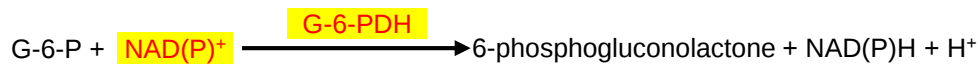
| Application        | Product Item           | Catalog No. | Pack Size | Remarks              |
|--------------------|------------------------|-------------|-----------|----------------------|
| Control/Calibrator | rhyGT                  | 46893903    | Bulk      |                      |
| Linearity Check    | Accustabilis Chem High | 47042900    | Set       |                      |
| Multiple Control   | Accustabilis Chem 1    | 47582900    | Set       | Shipped with Dry Ice |
|                    | Accustabilis Chem 2    | 47583900    | Set       | Shipped with Dry Ice |



# Glucose

Blood Glucose; Urine Glucose; Blood Sugar; Fasting Blood Sugar; FBS; Fasting Blood Glucose; FBG; Fasting Plasma Glucose; FPG; Blood Glucose; Oral Glucose Tolerance Test; OGTT; GTT; Urine Glucose

## Assay Principle – HK Method



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

## Product List

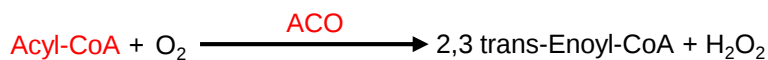
| Application      | Product Item        | Catalog No. | Pack Size | Remarks              |
|------------------|---------------------|-------------|-----------|----------------------|
| Raw Materials    | β-NAD <sup>+</sup>  | 44065900    | Bulk      |                      |
|                  | β-NADP <sup>+</sup> | 44292900    | Bulk      |                      |
|                  | ATP-II              | 45147900    | Bulk      |                      |
|                  | rG-6-PDH(L)-43      | 46854903    | Bulk      |                      |
|                  | rG-6-PDH(L)-93      | 46860903    | Bulk      |                      |
|                  | rHK(Y)              | 46763903    | Bulk      |                      |
| Multiple Control | Accustabilis Chem 1 | 47582900    | Set       | Shipped with Dry Ice |
|                  | Accustabilis Chem 2 | 47583900    | Set       | Shipped with Dry Ice |



# NEFA

Non-Esterified Fatty Acid

## Assay Principle



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

## Product List

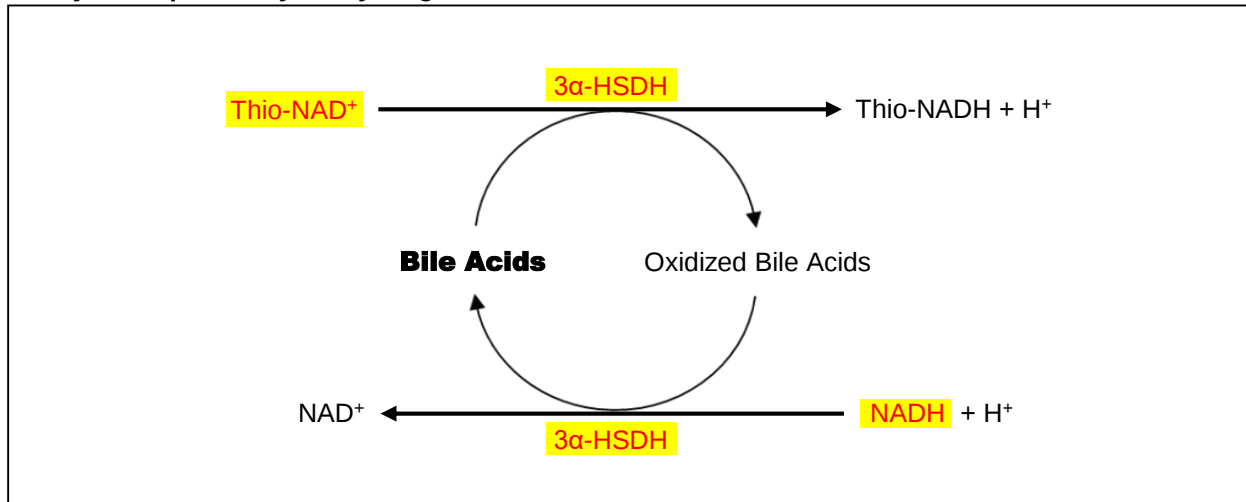
| Application   | Product Item | Catalog No. | Pack Size | Remarks           |
|---------------|--------------|-------------|-----------|-------------------|
| Raw Materials | CoA          | 45152900    | Bulk      |                   |
|               | CoA-Li       | 45162900    | Bulk      |                   |
|               | ATP-II       | 45147900    | Bulk      |                   |
|               | POD          | 46260903    | Bulk      | From Horse Radish |



# TBA

Total Bile Acids ; Bile Acids

## Assay Principle - Enzyme Cycling Method



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

## Product List

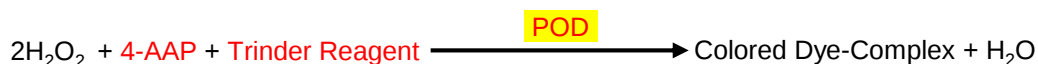
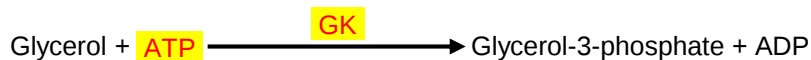
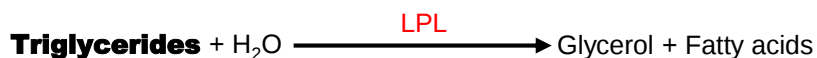
| Application   | Product Item          | Catalog No. | Pack Size | Remarks |
|---------------|-----------------------|-------------|-----------|---------|
| Raw Materials | β-NADH                | 44320900    | Bulk      |         |
|               | Thio-NAD <sup>+</sup> | 44104900    | Bulk      |         |
|               | r3α-HSDH              | 46106903    | Bulk      |         |



# Triglycerides

TG; TRIG

## Assay Principle



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

## Product List

| Application      | Product Item        | Catalog No. | Pack Size | Remarks              |
|------------------|---------------------|-------------|-----------|----------------------|
| Raw Materials    | ATP-II              | 45147900    | Bulk      |                      |
|                  | POD                 | 46260903    | Bulk      | From Horse Radish    |
|                  | rGK                 | 46898903    | Bulk      |                      |
|                  | rGPO                | 46899903    | Bulk      |                      |
| Multiple Control | Accustabilis Chem 1 | 47582900    | Set       | Shipped with Dry Ice |
|                  | Accustabilis Chem 2 | 47583900    | Set       | Shipped with Dry Ice |



# Uric Acid

Serum Urate; UA

## Assay Principle



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

## Product List

| Application      | Product Item        | Catalog No. | Pack Size | Remarks              |
|------------------|---------------------|-------------|-----------|----------------------|
| Raw Materials    | POD                 | 46260903    | Bulk      | From Horse Radish    |
|                  | rUricase(Y)         | 46767900    | Bulk      |                      |
|                  | rUricase-03         | 46785903    | Bulk      |                      |
|                  | rUricase-73         | 46786903    | Bulk      |                      |
| Multiple Control | Accustabilis Chem 1 | 47582900    | Set       | Shipped with Dry Ice |
|                  | Accustabilis Chem 2 | 47583900    | Set       | Shipped with Dry Ice |



# Creatinine

Creat; Blood Creatinine; Serum Creatinine; Urine Creatinine

## Assay Principle

Enzymatic

## Product List

| Application      | Product Item        | Catalog No. | Pack Size | Remarks              |
|------------------|---------------------|-------------|-----------|----------------------|
| Reagents         | CRE-S R1            | 49500900    | L         |                      |
|                  | CRE-S R2            | 49510900    | L         |                      |
| Multiple Control | Accustabilis Chem 1 | 47582900    | Set       | Shipped with Dry Ice |
|                  | Accustabilis Chem 2 | 47583900    | Set       | Shipped with Dry Ice |



# CRP

C-Reactive Protein

## Assay Principle

Latex Agglutination Reaction

## Product List

| Application | Product Item       | Catalog No. | Pack Size | Remarks |
|-------------|--------------------|-------------|-----------|---------|
| Reagents    | CRP-OY R1          | 49290900    | L         |         |
|             | CRP-OY R2          | 49291900    | L         |         |
| Calibrator  | CRP Calibrator Set | 47534900    | Set       |         |
| Control     | CRP Control-L      | 47512900    | mL        |         |
|             | CRP Control-H      | 47513900    | mL        |         |

## Reference

| Application  | Product Item      | Catalog No. | Pack Size | Remarks |
|--------------|-------------------|-------------|-----------|---------|
| Raw material | rCRP              | 47190900    | mg        |         |
|              | O-RB-CRP-IGG-BT35 | 47872900    | mL        |         |
|              | O-CRP-MCA(12D-2C) | 47858900    | mg        |         |
|              | O-CRP Free Serum  | 47936900    | mL        |         |



## Assay Principle

Latex Agglutination Reaction

## Product List

| Application | Product Item         | Catalog No. | Pack Size | Remarks |
|-------------|----------------------|-------------|-----------|---------|
| Reagents    | Cys-C-OY R-1         | 49364900    | L         |         |
|             | Cys-C-OY R-2         | 49365900    | L         |         |
| Calibrator  | Cys-C Calibrator Set | 49366900    | Set       |         |
| Control     | Cys-C Control-L      | 47510900    | mL        |         |
|             | Cys-C Control-H      | 47511900    | mL        |         |

## Reference

| Application  | Product Item       | Catalog No. | Pack Size | Remarks |
|--------------|--------------------|-------------|-----------|---------|
| Raw material | rCys-C             | 47516900    | mg        |         |
|              | RB-rCystatin C-IgG | 47880900    | mL        |         |



# HDL Cholesterol

HDL; HDL-C; High Density Lipoprotein Cholesterol

**Assay Principle**

Direct Method

**Product List**

| Application | Product Item                 | Catalog No. | Pack Size | Remarks |
|-------------|------------------------------|-------------|-----------|---------|
| Reagents    | HDL-OY R1                    | 49174900    | L         |         |
|             | HDL-OY R2                    | 49175900    | L         |         |
| Calibrator  | HDL/LDL-OY Calibrator (1 mL) | 49190900    | Vial      |         |



# LDL Cholesterol

LDL; LDL-C; Low Density Lipoprotein Cholesterol

**Assay Principle**

Direct Method

**Product List**

| Application | Product Item                 | Catalog No. | Pack Size | Remarks |
|-------------|------------------------------|-------------|-----------|---------|
| Reagents    | LDL-OY R1                    | 49179900    | L         |         |
|             | LDL-OY R2                    | 49185900    | L         |         |
| Calibrator  | HDL/LDL-OY Calibrator (1 mL) | 49190900    | Vial      |         |



# Linearity Control

## Product List

| Product Item           | Catalog No. | Pack Size | Remarks   |
|------------------------|-------------|-----------|-----------|
| Accustabilis Chem High | 47042900    | Bulk      | MOQ : 5 L |

## Application of Use

This makes it possible to check linearity performance of chemistry reagents.

## Features

- Approx. 10 times more spiking enzymes parameters are in delipidated human serum than Accustabilis Chem 2.
- Certified enzyme value for each lot is described in Certificate of Analysis.
- Certified enzyme value is traceable to international reference materials.
- Custom bulk packing is available on request.

## Appearance

Lyophilized

## Storage Conditions

-20°C for long term (2-8 °C for Shipping)

## Parameters

| Sr. | Item |                        | Spiked Enzymes          | Unit | Accustabilis Chem High |
|-----|------|------------------------|-------------------------|------|------------------------|
| 1   | AST  | Aspartate Transaminase | AST from Pig Heart      | IU/L | 1,170-1,430            |
| 2   | ALT  | Alanine Transaminase   | ALT from Pig Heart      | IU/L | 1,170-1,430            |
| 3   | ALP  | Alkaline Phosphatase   | ALP from Calf Intestine | IU/L | 2,340-2,860            |
| 4   | LDH  | Lactate Dehydrogenase  | LDH from Chicken Heart  | IU/L | 2,970-3,630            |
| 5   | AMY  | α-Amylase              | AMY from Pig Pancreas   | IU/L | 4,095-5,005            |
| 6   | CK   | Creatine Kinase        | CK from Pig Heart       | IU/L | 4,095-5,005            |
| 7   | γ-GT | γ-Glutamyl Transferase | γ-GT from Bovine Kidney | IU/L | 2,340-2,860            |

## Recommended Reconstitution

1. Stand lyophilized vial for minutes at ambient temperature to equilibrium.
2. Add exact 3 mL of purified water accordingly to one vial.
3. Leave it for 15-30 minutes to have it dissolved completely. Incubating at 4 °C overnight is preferred.
4. Mix gentry with repeated upside and down.

## Caution

- Once reconstituted, it should be kept at refrigeration with tightly capped.
- Avoid repeated freeze and thawing.
- Do not use it once it becomes cloudy unusually.
- This product is not applicable for long time storage after reconstituted.



# Multiple Control

## Product List

| Product Item        | Catalog No. | Pack Size | Remarks                           |
|---------------------|-------------|-----------|-----------------------------------|
| Accustabilis Chem 1 | 47582900    | Bulk      | Shipped with Dry Ice<br>MOQ : 5 L |
| Accustabilis Chem 2 | 47583900    | Bulk      | Shipped with Dry Ice<br>MOQ : 5 L |

## Application of Use

Accuracy and specificity check to measure value of unknown patient samples within run and between run to run.

## Features

- Multiplex with reference values. 25 parameters in total.
- Ready to use, eliminating reconstitution errors.
- Superior to transparency.
- Human pooled serum matrix, presenting two different levels; low and high.
- Custom bulk packing is available on request.

## Appearance

Liquid frozen

Lyophilized (Custom Made )

## Storage Conditions

-20°C for Long Term

## Parameters Regulated

| Sr. | item                        | Unit  | Accustabilis Chem 1 | Accustabilis Chem 2 | Reference Methodology      |
|-----|-----------------------------|-------|---------------------|---------------------|----------------------------|
| 1   | TP Total Protein            | g/dL  | 4.5-6.0             | 7.9-9.0             | Biuret                     |
| 2   | ALB Albumin                 | g/dL  | 2.5-4.0             | 4.0-5.5             | BCG <sup>†1</sup>          |
| 3   | BUN Blood Urea Nitrogen     | mg/dL | 10-15               | 35-50               | Enzymatic                  |
| 4   | UA Uric Acid                | mg/dL | 3.0-5.0             | 8.0-11              | Enzymatic                  |
| 5   | CRE Creatinine              | mg/dL | 0.8-1.6             | 3.0-6.0             | Enzymatic                  |
| 6   | Na Sodium                   | mEq/L | 135-148             | 152-162             | ISE <sup>†2</sup>          |
| 7   | K Potassium                 | mEq/L | 3.5-5.0             | 5.0-7.0             | ISE <sup>†2</sup>          |
| 8   | Cl Chloride                 | mEq/L | 90-105              | 110-120             | ISE <sup>†2</sup>          |
| 9   | Ca Calcium                  | mg/dL | 6.0-9.0             | 9.5-12.5            | OCPC <sup>†3</sup>         |
| 10  | Mg Magnesium                | mg/dL | 2.0-3.0             | 4.0-6.0             | Xylidyl blue               |
| 11  | IP Inorganic Phosphorus     | mg/dL | 3.0-5.5             | 6.0-10.0            | Enzymatic                  |
| 12  | Fe Iron                     | µg/dL | 80-120              | 180-250             | Nitroso-PSAP <sup>†4</sup> |
| 13  | AST Aspartate Transaminase  | IU/L  | 30-50               | 100-150             | JSCC                       |
| 14  | ALT Alanine Transaminase    | IU/L  | 30-50               | 100-150             | JSCC                       |
| 15  | ALP Alkaline Phosphatase    | IU/L  | 170-230             | 440-560             | JSCC                       |
| 16  | LDH Lactate Dehydrogenase   | IU/L  | 90-160              | 300-400             | JSCC                       |
| 17  | AMY α-Amylase               | IU/L  | 80-120              | 350-450             | Gal-G5-4NP <sup>†5</sup>   |
| 18  | CK Creatine Kinase          | IU/L  | 80-130              | 400-550             | JSCC <sup>†6</sup>         |
| 19  | γ-GT γ-Glutamyl Transferase | IU/L  | 30-50               | 100-150             | IFCC <sup>†7</sup>         |
| 20  | TC Total Cholesterol        | mg/dL | 90-130              | 220-280             | Enzymatic                  |
| 21  | TG Triglyceride             | mg/dL | 70-120              | 150-200             | Enzymatic                  |
| 23  | T-BIL Total Bilirubin       | mg/dL | 0.3-0.8             | 3.0-4.5             | Enzymatic                  |
| 24  | GLU Glucose                 | mg/dL | 80-120              | 200-250             | Enzymatic                  |
| 25  | CRP C-Reactive Protein      | mg/dL | Inquiry             | Inquiry             | Enzymatic                  |

<sup>†1</sup> : Bromocresol Green, <sup>†2</sup> : Ion Selective Electrodes, <sup>†3</sup> : o-Cresolphthalein Complexone,

<sup>†4</sup> : 2-Nitroso-5-(N-propyl-N-sulfo-propylamino)phenol, <sup>†5</sup> : β-D-Galactosyl-4-Nitrophenyl α-Maltopentaoside

<sup>†6</sup> : Japan Society of Clinical Chemistry, <sup>†7</sup> : International Federation of Clinical Chemistry and Laboratory Medicine

## Caution

- Do not use it once it becomes cloudy unusually.
- This product is not applicable for long time storage after thawing.



# Immunology Control

## Product List

| Product Item           | Catalog No. | Pack Size | Remarks   |
|------------------------|-------------|-----------|-----------|
| Accustabilis Immun 1/2 | 47043900    | Bulk      | MOQ : 5 L |

## Application of Use

Accuracy and specificity check to measure value of unknown patient samples within run and between run to run.

## Features

- Multiplex with 8 reference values (IgG,IgA,IgM,C3,C4,RF,ASO,CRP).
- Ready to use, eliminating reconstitution errors.
- Superior to transparency.
- Human pooled serum matrix, presenting two different levels, low and high.
- Custom bulk packing is available on request.

## Appearance

Liquid Stable

## Storage Conditions

2-8 °C

## Parameters

| Sr. | Item                    | Unit  | Accustabilis Immun 1 | Accustabilis Immun 2 | Reference Methodology |
|-----|-------------------------|-------|----------------------|----------------------|-----------------------|
| 1   | IgG Immunoglobulin G    | mg/dL | 700-1,050            | 1,700-2,450          | TIA <sup>†</sup>      |
| 2   | IgA Immunoglobulin A    | mg/dL | 150-240              | 360-500              | TIA <sup>†</sup>      |
| 3   | IgM Immunoglobulin M    | mg/dL | 60-90                | 150-210              | TIA <sup>†</sup>      |
| 4   | C3 Complement 3         | mg/dL | 95-135               | 210-280              | TIA <sup>†</sup>      |
| 5   | C4 Complement 4         | mg/dL | 10-25                | 30-60                | TIA <sup>†</sup>      |
| 6   | CRP C-Reactive Protein  | mg/dL | 0.5-1.0              | 3.5-5.0              | Latex Agglutination   |
| 7   | RF Rheumatoid Factor    | IU/mL | 15-35                | 85-115               | Latex Agglutination   |
| 8   | ASO Anti-Streptolysin O | IU/mL | 70-100               | 180-240              | Latex Agglutination   |

<sup>†</sup> : Turbidimetric Immunoassay

## Caution

- Do not freeze.
- Do not use it once it becomes cloudy unusually.



# Abbreviations

## Abbreviations in Assay Principle

|                     |                                                            |
|---------------------|------------------------------------------------------------|
| 2,3 trans-Enoyl-CoA | 2,3 trans-Enoyl-Coenzyme A                                 |
| 3 $\alpha$ -HSDH    | 3 $\alpha$ -Hydroxysteroid Dehydrogenase                   |
| 4-AAP               | 4-Aminoantipyrine                                          |
| 6-PGL               | 6-Phosphogluconolactonase                                  |
| 6-PGDH              | 6-Phosphogluconate Dehydrogenase                           |
| ACE                 | Acylcarnitine Esterase                                     |
| ACO                 | Acyl Coenzyme A Oxidase                                    |
| ACS                 | Acyl Coenzyme A Synthetase                                 |
| Acyl-CoA            | Acyl Coenzyme A                                            |
| ADP                 | Adenosine 5'-Diphosphate                                   |
| AK                  | Adenylate Kinase                                           |
| ALP                 | Alkaline Phosphatase                                       |
| ALT                 | Alanine Aminotransferase                                   |
| AMP                 | Adenosine 5'-Monophosphate                                 |
| AP5A                | Diadenosine Pentaphosphate                                 |
| AST                 | Aspartate Aminotransferase                                 |
| ATP                 | Adenosine 5'-Triphosphate                                  |
| CDH                 | Carnitine 3-Dehydrogenase                                  |
| ChE                 | Cholinesterase                                             |
| CK                  | Creatine Kinase                                            |
| CK-MB               | Creatine Kinase-MB                                         |
| CK-MM               | Creatine Kinase-MM                                         |
| CoA                 | Coenzyme A                                                 |
| CP                  | Creatine Phosphate                                         |
| CRP                 | C-Reactive Protein                                         |
| Cys-C               | Cystatin C                                                 |
| G-6-P               | Glucose-6-Phosphate                                        |
| G-6-PDH             | Glucose-6-Phosphate Dehydrogenase                          |
| GK                  | Glycerol Kinase                                            |
| GIDH                | Glutamate Dehydrogenase                                    |
| Glupa-C             | L- $\gamma$ -Glutamyl-3-Carboxy-4-Nitroanilide             |
| GPO                 | Glycerol 3-Phosphate Oxidase                               |
| HDL                 | High Density Lipoprotein                                   |
| HK                  | Hexokinase                                                 |
| ICDH                | Isocitrate Dehydrogenase                                   |
| LDH                 | Lactate Dehydrogenase                                      |
| LDL                 | Low Density Lipoprotein                                    |
| MDH                 | Malate Dehydrogenase                                       |
| NAD <sup>+</sup>    | Nicotinamide Adenine Dinucleotide, Oxidized Form           |
| NADH                | Nicotinamide Adenine Dinucleotide, Reduced Form            |
| NADP <sup>+</sup>   | Nicotinamide Adenine Dinucleotide Phosphate, Oxidized Form |
| NADPH               | Nicotinamide Adenine Dinucleotide Phosphate, Reduced Form  |
| PCA                 | Protocatechuate                                            |
| PCO                 | Protocatechuate 3,4-Dioxygenase                            |
| PEP                 | Phosphoenolpyruvate                                        |
| PEPC                | Phosphoenolpyruvate Carboxylase                            |
| pHBA                | p-Hydroxybenzoate                                          |
| pHBC                | p-Hydroxybenzoylcholine                                    |
| pHBH                | p-Hydroxybenzoate Hydroxylase                              |



# Abbreviations

## Abbreviations in Assay Principle

|                       |                                       |
|-----------------------|---------------------------------------|
| pNP                   | p-Nitrophenol                         |
| pNPP                  | p-Nitrophenylphosphate                |
| POD                   | Peroxidase                            |
| Thio-NAD <sup>+</sup> | Thionicotinamide Adenine Dinucleotide |
| γGT                   | γ-Glutamyltransferase                 |



# Abbreviations

## Abbreviations in Product List

|                   |                                                                             |
|-------------------|-----------------------------------------------------------------------------|
| ADP               | Adenosine 5'-Diphosphate, Disodium Salt                                     |
| ADP-K             | Adenosine 5'-Diphosphate, Monopotassium Salt                                |
| ALP               | Alkaline Phosphatase                                                        |
| AMP-Na            | Adenosine 5'-Monophosphate, Disodium Salt                                   |
| AP5A-3Li          | Diadenosine Pentaphosphate, Trilithium Salt                                 |
| ATP-II            | Adenosine 5'-Triphosphate, Disodium Salt                                    |
| CoA               | Coenzyme A, Free Acid from Yeast                                            |
| CoA-Li            | Coenzyme A Trilithium Salt from Yeast                                       |
| CP                | Creatine Phosphate, Disodium Salt                                           |
| D-Isocitrate-K    | D-Isocitrate, Monopotassium Salt                                            |
| PEP               | Phosphoenolpyruvate                                                         |
| POD               | Peroxidase from Horseradish Roots                                           |
| r3 $\alpha$ -HSDH | recombinant 3 $\alpha$ -Hydroxysteroid Dehydrogenase from Bacteria          |
| r6-PGDH(Y)        | recombinant Phosphogluconate Dehydrogenase from Yeast                       |
| r6-PGL(L)         | recombinant 6-Phosphogluconolactonase from Leuconostoc sp.                  |
| rACE              | recombinant Acylcarnitine Esterase from Bacteria                            |
| rCDH              | recombinant Carnitine 3-Dehydrogenase from Bacteria                         |
| rD-LDH(Bacteria)  | recombinant D-Lactate Dehydrogenase from Bacteria                           |
| rD-LDH(L)         | recombinant D-Lactate Dehydrogenase from Leuconostoc sp.                    |
| rG-6-PDH(L)-43    | recombinant Glucose-6-Phosphate Dehydrogenase from Leuconostoc sp. -43 Type |
| rG-6-PDH(L)-93    | recombinant Glucose-6-Phosphate Dehydrogenase from Leuconostoc sp. -93 Type |
| rGK               | recombinant Glycerol Kinase from Bacteria                                   |
| rGIDH(NAD)        | recombinant Glutamate Dehydrogenase(NAD <sup>+</sup> ) from Bacteria        |
| rGIDH(NADP)       | recombinant Glutamate Dehydrogenase(NADP <sup>+</sup> ) from Bacteria       |
| rGIDH(Y)          | recombinant Glutamate Dehydrogenase(NADP <sup>+</sup> ) from Yeast          |
| rGPO              | recombinant Glycerol 3-Phosphate Oxidase from Bacteria                      |
| rhALP             | recombinant Human Alkaline Phosphatase from Human Liver                     |
| rhALT             | recombinant Human Alanine Aminotransferase from Human Liver                 |
| rhAST             | recombinant Human Aspartate Aminotransferase from Human Liver               |
| rhCK-MB           | recombinant Human Creatine Kinase-MB from Human Heart                       |
| rhCK-MM           | recombinant Human Creatine Kinase-MM from Human Muscle                      |
| rhyGT             | recombinant Human $\gamma$ -Glutamyltransferase from Human Liver            |
| rHK(Y)            | recombinant Hexokinase from Yeast                                           |
| rICDH(Taq)        | recombinant Isocitrate Dehydrogenase(NADP <sup>+</sup> ) from Bacteria      |
| rLDH(CH)          | recombinant Lactate Dehydrogenase from Chicken Heart                        |
| rLDH(PH)          | recombinant Lactate Dehydrogenase from Pig Heart                            |
| rLDH(RM)          | recombinant Lactate Dehydrogenase from Rabbit Muscle                        |
| rMDH              | recombinant Malate Dehydrogenase from Bacteria                              |
| rPCO              | recombinant Protocatechuate 3,4-Dioxygenase from Bacteria                   |
| rphHB             | recombinant p-Hydroxybenzoate Hydroxylase from Bacteria                     |
| rUrease           | recombinant Urease                                                          |
| rUricase(Y)       | recombinant Uricase from Yeast                                              |
| rUricase-03       | recombinant Uricase from Bacteria -03 Type                                  |
| rUricase-73       | recombinant Uricase from Bacteria -73 Type                                  |



# Abbreviations

## Abbreviations in Product List

|                                      |                                                                                  |
|--------------------------------------|----------------------------------------------------------------------------------|
| Thio-NAD <sup>+</sup>                | Thionicotinamide-Adenine Dinucleotide, Oxidized Form                             |
| β-NAD <sup>+</sup>                   | β-Nicotinamide-Adenine Dinucleotide, Oxidized Form                               |
| β-NADH                               | β-Nicotinamide-Adenine Dinucleotide, Reduced Form, Disodium Salt                 |
| β-NADP <sup>+</sup>                  | β-Nicotinamide-Adenine Dinucleotide Phosphate, Oxidized Form, Monosodium Salt    |
| β-NADP <sup>+</sup> -K               | β-Nicotinamide-Adenine Dinucleotide Phosphate, Oxidized Form, Monopotassium Salt |
| β-NADP <sup>+</sup> -Na <sub>2</sub> | β-Nicotinamide-Adenine Dinucleotide Phosphate, Oxidized Form, Disodium Salt      |
| β-NADPH                              | β-Nicotinamide-Adenine Dinucleotide Phosphate, Reduced Form, Tetrasodium Salt    |



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OYC is dealing with other products including inhibitors and Markers.

For more information, please contact above address.

