

# MEASURE Multi Calibrator

Lot. 102ADH

Exp. 2026.02.

Manufactured Date : 2024.08.01.

2°C ~8°C

(Blue Cap + Yellow Dot)

| Component         | Calibration Value |        | Method / Instrument  | Traceability               |
|-------------------|-------------------|--------|--|----------------------------|
| ALT               | 158               | U/L    | JSCC at 37°C (IFCC w/o PaIP) / Hitachi-7180<br>measured by MEASURE ALT | JCCRM001d                  |
|                   | 2.64              | μkat/L |  |                            |
| ALP IFCC          | 264               | U/L    | IFCC at 37°C / Hitachi-7180<br>measured by MEASURE ALP IFCC            | JCCRM001d (IFCC)           |
|                   | 4.41              | μkat/L |  |                            |
| ALP               | 286               | U/L    | IFCC at 37°C / Hitachi-7180<br>measured by MEASURE ALP                 | JCCRM001d                  |
|                   | 4.78              | μkat/L |  |                            |
| Amylase, total    | 377               | U/L    | IFCC at 37°C / Hitachi-7180<br>measured by MEASURE AMYG7               | JCCRM001d                  |
|                   | 6.30              | μkat/L |  |                            |
| AST               | 232               | U/L    | JSCC at 37°C (IFCC w/o PaIP) / Hitachi-7180<br>measured by MEASURE AST | JCCRM001d                  |
|                   | 3.87              | μkat/L |  |                            |
| CK                | 323               | U/L    | JSCC at 37°C / Hitachi-7180<br>measured by MEASURE CK                  | JCCRM001d                  |
|                   | 5.39              | μkat/L |  |                            |
| CK-MB             | 74.0              | U/L    | Immunological UV / Hitachi-7180<br>measured by MEASURE CKMB            | Internal SOP               |
|                   | 1.24              | μkat/L |  |                            |
| GGT               | 154               | U/L    | JSCC at 37°C / Hitachi-7180<br>measured by MEASURE GGT                 | JCCRM001d                  |
|                   | 2.57              | μkat/L |  |                            |
| LDH IFCC          | 332               | U/L    | IFCC at 37°C / Hitachi-7180<br>measured by MEASURE LDH IFCC            | JCCRM001d (IFCC)           |
|                   | 5.54              | μkat/L |  |                            |
| LDH               | 320               | U/L    | JSCC at 37°C / Hitachi-7180<br>measured by MEASURE LDH                 | JCCRM001d                  |
|                   | 5.34              | μkat/L |  |                            |
| Alubumin          | 61.0              | g/L    | BCG / Hitachi-7180<br>measured by MEASURE ALB                          | JCCRM613<br>(ERM DA470)    |
|                   | 6.10              | g/dL   |  |                            |
| Bile Acid         | 92.0              | μmol/L | Enzymatic (3-α-HDS) / Hitachi-7180<br>measured by MEASURE TBA          | Gravimetry                 |
|                   | 35.74             | mg/L   |  |                            |
| Creatinine (*)    | 239               | μmol/L | Enzymatic / Hitachi-7180<br>measured by MEASURE CRE                    | JCCRM521<br>(ID-MS)        |
|                   | 2.70              | mg/dL  |  |                            |
| Glucose (*)       | 10.5              | mmol/L | HDAOS-POD / Hitachi-7180<br>measured by MEASURE GLU/GLUHK              | JCCRM521<br>(ID-MS/SRM917) |
|                   | 190               | mg/dL  |  |                            |
| Protein, total    | 97.0              | g/L    | Modified Biuret / Hitachi-7180<br>measured by MEASURE TP               | JCCRM613<br>(srm927)       |
|                   | 9.70              | g/dL   |  |                            |
| Urea Nitrogen (*) | 13.4              | mmol/L | Urease-UV / Hitachi-7180<br>measured by MEASURE UN                     | JCCRM521<br>(id-ms/srm912) |
|                   | 37.3              | mg/dL  |  |                            |
| Uric acid (*)     | 643               | μmol/L | Uricase-POD / Hitachi-7180<br>measured by MEASURE UA                   | JCCRM521<br>(ID-MS)        |
|                   | 10.80             | mg/dL  |  |                            |

UMA Co.,Ltd.

(\*) Standard solution recommended, as a reference value  
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| Tester  | Quality Control Manager   | Manufacturing Control Manager   |
|---|---|---|
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