

MEASURE Multi Calibrator

Lot. 102AEF

Exp. 2026.12.

Manufactured Date : 2024.06.01.

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

UMA Co.,Ltd.

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