

Multi Calibrator Target Value

Lot number : 29695401

Expiry date : 2019-11-31

Test	Target	Unit	Method
ALB	3.79	g/dL	COLOR, BCG
ALP	218	U/L	p-PNP,AMP,37C,IFCC
AMY	182	U/L	ROCHE Liquid stable G7,37C
DBIL	1.87	mg/dL	Oxidation
TBIL	4.72	mg/dL	Oxidation
CA(II)	10.3	mg/dL	ARSENAZO III
CHO	162	mg/dL	ENZ-Color. POD
CPK	338	U/L	IFCC, 37C
CREA	3.99	mg/dL	JAFFE 법
GGT	152	U/L	Glupa-C IFCC
GLU	208	mg/dL	Enzymatic/GOD/POD
GOT	114	U/L	UV without P5P (IFCC법)
GPT	121	U/L	UV without P5P (IFCC법)
LDH	616	U/L	LD (P-L) TRIS
MG	3.05	mg/dL	Xylidyl Blue
IP	5.3	mg/dL	Phosphomolybdate UV
TG	133	mg/dL	Enzymatic
TP	5.5	g/dL	BIURET, Endpoint
UA	5.8	mg/dL	효소법
BUN	48	mg/dL	Urease GLDH법

Multi Calibrator Target Value

Lot number : 30559301

Expiry date : 2020-02-29

Test	Target	Unit	Method
ALB	3.56	g/dL	COLOR, BCG
ALP	231	U/L	p-PNP,AMP,37C,IFCC
AMY	177	U/L	ROCHE Liquid stable G7,37C
DBIL	2.12	mg/dL	Oxidation
TBIL	5.04	mg/dL	Oxidation
CA(II)	10.3	mg/dL	ARSENAZO III
CHO	165	mg/dL	ENZ-Color. POD
CPK	382	U/L	IFCC, 37C
CREA	4.12	mg/dL	JAFFE 법
GGT	139	U/L	Glupa-C IFCC
GLU	210	mg/dL	Enzymatic/GOD/POD
GOT	116	U/L	UV without P5P (IFCC법)
GPT	112	U/L	UV without P5P (IFCC법)
LDH	626	U/L	LD (P-L) TRIS
MG	3.1	mg/dL	Xylidyl Blue
IP	5.24	mg/dL	Phosphomolybdate UV
TG	140	mg/dL	Enzymatic
TP	5.2	g/dL	BIURET, Endpoint
UA	6.3	mg/dL	효소법
BUN	47	mg/dL	Urease GLDH법

Multi Calibrator Target Value

Lot number : 30558601

Expiry date : 2020-03-31

Test	Target	Unit	Method
ALB	3.6	g/dL	COLOR, BCG
ALP	247	U/L	p-PNP,AMP,37C,IFCC
AMY	183	U/L	ROCHE Liquid stable G7,37C
DBIL	2.5	mg/dL	Oxidation
TBIL	4.6	mg/dL	Oxidation
CA(II)	10	mg/dL	ARSENAZO III
CHO	162	mg/dL	ENZ-Color. POD
CPK	362	U/L	IFCC, 37C
CREA	4	mg/dL	JAFFE 법
GGT	117	U/L	Glupa-C IFCC
GLU	200	mg/dL	Enzymatic/GOD/POD
GOT	115	U/L	UV without P5P (IFCC법)
GPT	105	U/L	UV without P5P (IFCC법)
LDH	614	U/L	LD (P-L) TRIS
MG	2.9	mg/dL	Xylidyl Blue
IP	5.2	mg/dL	Phosphomolybdate UV
TG	135	mg/dL	Enzymatic
TP	5.1	g/dL	BIURET, Endpoint
UA	5.4	mg/dL	효소법
BUN	48	mg/dL	Urease GLDH법

JW Multi Calibrator Target Value

Lot number : JW 901

Expiry date : 2021-08-31

Test	Target	Unit	Method
ALB	3.7	g/dL	COLOR, BCG
ALP	253	U/L	p-PNP,AMP,37C,IFCC
AMY	180	U/L	ROCHE Liquid stable G7,37C
DBIL	2.5	mg/dL	Oxidation
TBIL	4.7	mg/dL	Oxidation
CA(II)	10.2	mg/dL	ARSENAZO III
CHO	165	mg/dL	ENZ-Color. POD
CPK	370	U/L	IFCC, 37C
CREA	3.9	mg/dL	JAFFE 법
GGT	116	U/L	Glupa-C IFCC
GLU	205	mg/dL	Enzymatic/GOD/POD
GOT	118	U/L	UV without P5P (IFCC법)
GPT	108	U/L	UV without P5P (IFCC법)
LDH	612	U/L	LD (P-L) TRIS
MG	2.9	mg/dL	Xylidyl Blue
IP	5.2	mg/dL	Phosphomolybdate UV
TG	143	mg/dL	Enzymatic
TP	5.3	g/dL	BIURET, Endpoint
UA	5.3	mg/dL	효소법
BUN	46	mg/dL	Urease GLDH법

BS-240 & TC-220 Chemistry Bio Rad Control Level 1 and 2

Level 1	26431	2020-02-29
Level 2	26432	2020-02-29

<JW Bioscience Co.>

Item	Unit	Level 1 - 26431					Item	Level 2 - 26432				
		Mean	1SD	Range				Mean	1SD	Range		
T.P	g/dL	6.6	0.6	5.4	~	7.8	T.P	4.6	0.3	4.0	~	5.2
ALB	g/dL	4.2	0.3	3.6	~	4.8	ALB	3.0	0.2	2.6	~	3.4
T-BIL (I)	mg/dL	1.00	0.15	0.7	~	1.3	T-BIL (I)	4.75	0.35	4.1	~	5.5
D-BIL (I)	mg/dL	0.26	0.10	0.1	~	0.5	D-BIL (I)	1.45	0.20	1.1	~	1.9
AST(IFCC)	IU/L	43	3.5	36.0	~	50.0	AST(IFCC)	224	19.0	186.0	~	262.0
ALT(IFCC)	IU/L	35	3.3	28.4	~	41.6	ALT(IFCC)	114	9.2	95.6	~	132.4
GGT(IFCC)	IU/L	68	5.5	57.0	~	79.0	GGT(IFCC)	185	15.0	155.0	~	215.0
ALP(AMP)	IU/L	116	9.3	97.4	~	134.6	ALP(AMP)	469	40.0	389.0	~	549.0
CK	IU/L	148	12.0	124.0	~	172.0	CK	454	38.0	378.0	~	530.0
CRE(Jaffe)	mg/dL	2.70	0.30	2.1	~	3.3	CRE(Jaffe)	6.30	0.8	4.7	~	7.9
BUN	mg/dL	17.0	1.4	14.2	~	19.8	BUN	49.0	4.5	40.0	~	58.0
IP	mg/dL	3.6	0.3	3.0	~	4.2	IP	7.6	0.8	6.0	~	9.2
GLU (I)	mg/dL	87	8.0	71.0	~	103.0	GLU (I)	294	23.5	247.0	~	341.0
T-CHO (II)	mg/dL	244	18.0	208.0	~	280.0	T-CHO (II)	100	8.0	84.0	~	116.0
TG	mg/dL	208	15.0	178.0	~	238.0	TG	83	8.0	67.0	~	99.0
MG	mg/dL	2.2	0.4	1.4	~	3.0	MG	4.9	0.4	4.1	~	5.7
CA(Arsenazo III)	mg/dL	8.9	0.8	7.3	~	10.5	CA(Arsenazo III)	11.9	1.2	9.5	~	14.3
LDH(P-L)	IU/L	377	31.0	315.0	~	439.0	LDH(P-L)	934	70.0	794.0	~	1074.0
AMY (I)	IU/L	66	6.5	53.0	~	79.0	AMY (I)	357	28.0	301.0	~	413.0
UA	mg/dL	5.3	0.4	4.5	~	6.1	UA	10.9	1.0	8.9	~	12.9
BS-240												
HDL	mg/dL	48	5.0	38.0	~	58.0	HDL	24	3.5	17.0	~	31.0
LDL	mg/dL	150	10.0	130.0	~	170.0	LDL	55	5.0	45.0	~	65.0
TC-220												
HDL	mg/dL	48	6.5	35.0	~	61.0	HDL	19	4.0	11.0	~	27.0
LDL	mg/dL	165	13.0	139.0	~	191.0	LDL	75	6.0	63.0	~	87.0

* 위의 Mean Value와 SD는 장비와 시약의 조건에 따라 일부 차이가 날수 있으므로 참고로 활용하시기바랍니다. *



Control Level - 1

Lot No: BAF06 Expiry Date : 2021.09.30 JW Regent + BS Series & TC-220

Component	Method	Value	Range		1SD	2SD	Unit	
ALB	COLOR, BCG	3.2	2.6	~	3.8	0.3	0.58	g/dL
ALP	p-PNP,AMP,37C,IFCC	99	81	~	117	8.9	18	IU/L
AMY	ROCHE Liquid stable G7,37C	77	57	~	97	10.0	20	IU/L
T-BIL	Oxidation	1.01	0.79	~	1.23	0.11	0.22	mg/dL
D-BIL	Oxidation	0.46	0.38	~	0.54	0.04	0.08	mg/dL
BUN	Urease GLDH법	18.1	14.8	~	21.4	1.6	3.3	mg/dL
Ca	ARSENAZO III	8.0	6.2	~	9.8	0.9	1.8	mg/dL
T-CHO	ENZ-Color. POD	101	87	~	115	7.1	14	mg/dL
CPK	IFCC, 37C	137	112	~	162	12.3	25	IU/L
CRE	JAFFE 법	1.05	0.82	~	1.28	0.1	0.23	mg/dL
GLU	Enzymatic/GOD/POD	103	84	~	122	9.3	19	mg/dL
GOT/AST	UV without P5P (IFCC법)	51	40	~	62	5.6	11	IU/L
GPT/ALT	UV without P5P (IFCC법)	48	37	~	59	5.3	11	IU/L
LDH	LD (P-L) TRIS	420	344	~	496	37.8	76	IU/L
Pi	Phosphomolybdate UV	3.9	3.2	~	4.6	0.4	0.70	mg/dL
TG	Enzymatic	113	93	~	133	10.2	20	mg/dL
TP	BIURET, Endpoint	4.8	3.8	~	5.8	0.5	0.96	g/dL
UA	효소법	4.5	3.9	~	5.1	0.3	0.63	mg/dL
r-GTP	Glupa-C IFCC	43	35	~	51	3.9	8	IU/L

JW HDL, LDL Regent For BS-480 & BS-240

HDL	DIRECT-ENZYMATIC	32.2	22.5	~	41.9	3.2	9.7	mg/dL
LDL	DIRECT-ENZYMATIC	42.6	34.1	~	51.1	4.3	8.5	mg/dL

JW HDL, LDL Regent For TC-220

HDL	DIRECT-ENZYMATIC	20.9	14.6	~	27.2	3.1	6.3	mg/dL
LDL	DIRECT-ENZYMATIC	66.8	53.4	~	80.2	6.7	13.4	mg/dL

Control Level-1 (동결건조품) 1병에 멸균 증류수 5.0mL를 가하여 용해합니다.
 약 30분간 실온에서 방치한 후 천천히 전도 혼합한 후에 사용합니다. (강하게 혼합하지 마십시오.)

경기도 성남시 분당구 판교로228번길 15
 3동 3층 (삼평동, 판교세븐벤처밸리 1)
 작성일 : 2019.09.30





Control Level - 2

Lot No: BAF06 Expiry Date : 2021.09.30 JW Regent + BS Series & TC-220

Component	Method	Value	Range		1SD	2SD	Unit	
ALB	COLOR, BCG	4.7	3.9	~	5.5	0.4	0.8	g/dL
ALP	p-PNP,AMP,37C,IFCC	229	188	~	270	21	41	IU/L
AMY	ROCHE Liquid stable G7,37C	189	140	~	238	25	49	IU/L
T-BIL	Oxidation	3.81	2.97	~	4.65	0.42	0.84	mg/dL
D-BIL	Oxidation	1.35	1.11	~	1.59	0.12	0.24	mg/dL
BUN	Urease GLDH법	52.0	42.6	~	61.4	4.7	9.4	mg/dL
Ca	ARSENazo III	12.3	9.6	~	15.0	1.4	2.7	mg/dL
T-CHO	ENZ-Color. POD	192	165	~	219	13	27	mg/dL
CPK	IFCC, 37C	252	207	~	297	23	45	IU/L
CRE	JAFFE 법	3.89	3.03	~	4.75	0.4	0.86	mg/dL
GLU	Enzymatic/GOD/POD	235	193	~	277	21	42	mg/dL
GOT/AST	UV without P5P (IFCC법)	147	115	~	179	16	32	IU/L
GPT/ALT	UV without P5P (IFCC법)	114	89	~	139	13	25	IU/L
LDH	LD (P-L) TRIS	715	586	~	844	64	129	IU/L
Pi	Phosphomolybdate UV	8.0	6.6	~	9.4	0.72	1.44	mg/dL
TG	Enzymatic	200	164	~	236	18	36	mg/dL
TP	BIURET, Endpoint	7.6	6.1	~	9.1	0.76	1.52	g/dL
UA	효소법	10.4	8.9	~	11.9	0.73	1.46	mg/dL
r-GTP	Glupa-C IFCC	243	199	~	287	22	44	IU/L

JW HDL, LDL Regent For BS-480 & BS-240

HDL	DIRECT-ENZYMATIC	32.2	22.5	~	41.9	3.2	9.7	mg/dL
LDL	DIRECT-ENZYMATIC	42.6	34.1	~	51.1	4.3	8.5	mg/dL

JW HDL, LDL Regent For TC-220

HDL	DIRECT-ENZYMATIC	20.9	14.6	~	27.2	3.1	6.3	mg/dL
LDL	DIRECT-ENZYMATIC	66.8	53.4	~	80.2	6.7	13.4	mg/dL

Control Level-1 (동결건조품) 1병에 멸균 증류수 5.0mL를 가하여 용해합니다.
 약 30분간 실온에서 방치한 후 천천히 전도 혼합한 후에 사용합니다. (강하게 혼합하지 마십시오.)

경기도 성남시 분당구 판교로228번길 15
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 작성일 : 2019.09.30





TCM Multi Calibrator Target Value

JW Regent + BS Series & TC-220

Lot number : BAU05

Expiry date : 2021.12.31

Test	Target	Unit	Method
ALB	3.7	g/dL	COLOR, BCG
ALP	244	U/L	p-PNP,AMP,37C,IFCC
AMY	180	U/L	ROCHE Liquid stable G7,37C
DBIL	2.5	mg/dL	Oxidation
TBIL	4.7	mg/dL	Oxidation
CA(II)	10.2	mg/dL	ARSENAZO III
CHO	165	mg/dL	ENZ-Color. POD
CPK	370	U/L	IFCC, 37C
CREA	3.9	mg/dL	JAFFE 법
GGT	116	U/L	Glupa-C IFCC
GLU	205	mg/dL	Enzymatic/GOD/POD
GOT	118	U/L	UV without P5P (IFCC법)
GPT	108	U/L	UV without P5P (IFCC법)
LDH	670	U/L	LD (P-L) TRIS
IP	5.2	mg/dL	Phosphomolybdate UV
TG	143	mg/dL	Enzymatic
TP	5.3	g/dL	BIURET, Endpoint
UA	5.3	mg/dL	효소법
BUN	46	mg/dL	Urease GLDH법
HDL-C	전용 Cal 물질 참고	mg/dL	Enzymatic with detergent
LDL-C		mg/dL	Enzymatic with detergent

Multi Calibrator (동결건조품) 1병에
 멸균 증류수 3.0mℓ를 가하여 용해합니다.
 약 30분간 실온에서 방치한 후 천천히
 전도 혼합한 후에 사용합니다.
 (강하게 혼합하지 마십시오.)

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