Reagent Parameters for BS-240 Chemistry Analyzers

	No.	Reac.Type	Derection	Pri. Wave	Sec. Wave	Unit	Preci sion	Incuba. Time	Blank.Time		Reac.Time		S(ul)	R1(ul)	R2(ul)	Linearity Range Limit		Linear Limit	Sub-strate Limite	Rule
									Low	Up	Low	Up				Low	Up			
ALT	401	Kinetic	Down	340	405	U/L	1	17	/	/	3	13	6	120	30	4	1000	0.2	5100	Two-point linear
AST	402	Kinetic	Down	340	405	U/L	1	17	/	/	3	13	6	120	30	4	800	0.2	5000	Two-point linear
ALP	403	Kinetic	Up	405	546	U/L	1	4	/	/	3	13	2.4	120	30	5	800	0.2	30000	Two-point linear
γ-GT	404	Kinetic	Up	405	546	U/L	1	4	/	/	3	13	12	120	30	4	650	0.2	22700	Two-point linear
TP	408	EndPoint	Up	546	630	g/L	1	0	-3	-1	32	34	2	100	/	2	120	/	/	Two-point linear
ALB	409	EndPoint	Up	578	510	g/L	1	0	-3	-1	16	18	2	200	/	3	60	/	/	Two-point linear
ALB II	483	EndPoint	Up	630	670	g/L	1	0	-3	-1	16	18	2	200	/	3	60	/	/	TTwo-point linear
T-Bil-V	406	EndPoint	Down	450	546	µmol/L	2	17	-3	-1	16	18	5	140	35	2	684	/	/	T-Two-point linear
D-Bil-V	407	EndPoint	Down	450	546	µmol/L	2	17	-3	-1	16	18	5	140	35	1	430	/	/	D-Two-point linear
TBA	432	Kinetic	Up	405	510	µmol/L	1	17	/	/	3	13	2	135	45	2	180	0.2	27000	Two-point linear
PA	431	EndPoint	Up	340	/	mg/L	1	17	-3	-1	16	18	5.6	160	60	10	800	/	/	Spline
CHE	452	Kinetic	Down	405	670	U/L	0	31	/	/	5	13	2	125	25	400	20000	0.2	4200	Two-point linear
ADA	436	Kinetic	Up	546	/	U/L	2	17	/	/	10	17	3.5	126	63	1	200	0.2	15000	Two-point linear
5′-NT	437	Kinetic	Up	546	/	U/L	2	17	/	/	10	17	7	126	63	0.5	300	0.2	12000	T-Two-point linear
UA	412	EndPoint	Up	546	670	µmol/L	1	17	-3	-1	16	18	3	144	36	20.8	1500	/	/	Two-point linear
UREA	413	Kinetic	Down	340	670	mmol/L	2	7	/	/	5	12	3	200	50	0.9	40	/	10000	UTwo-point linear
CREA-J	410	FixedTime	Up	510	670	µmol/L	1	17	/	/	2	9	12	120	120	9	2420	/	27000	Two-point linear
CREA-S	411	EndPoint	Up	546	670	µmol/L	1	17	-3	-1	16	18	4	120	40	10	7000	/	/	Two-point linear
TPUC	479	EndPoint	Up	630	670	mg/L	1	0	-3	-1	16	18	2.5	125	/	20	2000	/	/	TTwo-point linear
Glu-G	415	EndPoint	Up	510	670	mmol/L	2	17	-3	-1	16	18	2	160	40	0.3	25	/	/	GTwo-point linear
Glu-H	414	EndPoint	Up	340	670	mmol/L	2	17	-3	-1	16	18	2	167	84	0.6	33	/	/	GTwo-point linear
FUN	454	Kinetic	Up	546	670	µmol/L	1	16	/	/	8	12	12	120	30	5	1000	0.2	5500	Two-point linear
Hb-1	455	EndPoint	Up	510	670	µmol/L	1	0	-3	-1	16	18	8	120	/	65	310	/	/	Two-point linear
HbA1c-1	446	EndPoint	Up	670	/	µmol/L	1	18	-3	-1	16	18	8	120	40	3	30	/	/	Two-point linear
TC	416	EndPoint	Up	510	670	mmol/L	2	0	-3	-1	16	18	2	200	/	0.1	20	/	/	Two-point linear
TG	417	EndPoint	Up	510	670	mmol/L	2	0	-3	-1	32	34	2	200	/	0.1	12.5	/	/	Two-point linear
HDL-C	421	EndPoint	Up	578	670	mmol/L	2	17	-3	-1	16	18	2	150	50	0.05	6	/	/	Two-point linear
LDL-C	420	EndPoint	Up	578	670	mmol/L	2	17	-3	-1	16	18	2	150	50	0.05	20	/	/	Two-point linear
ApoA1	418	EndPoint	Up	340	/	g/L	2	17	-3	-1	16	18	2	200	67	0.2	2.3	/	/	Logit 5P
ApoB	419	EndPoint	Up	340	/	g/L	2	17	-3	-1	16	18	2	200	67	0.2	2.2	/	/	Logit 5P
Lp(a)	430	EndPoint	Up	340	/	mg/L	2	17	-3	-1	16	18	9	150	15	40	1000	/	/	Logit 4P
HCY II	480	Kinetic	Down	340	405	µmol/L	2	17	0	0	9	16	10	185	50	3	50	!	13000	Spline
LDH	427	Kinetic	Up	340	670	U/L	1	10	/	/	3	13	5	120	30	4	1000	0.2	11500	Two-point linear
α-HBDH	405	Kinetic	Down	340	546	U/L	1	10	/	/	3	13	5	120	30	10	1000	0.2	1700	Two-point linear
CK	425	Kinetic	Up	340	546	U/L	1	10	/	/	10	18	3	120	30	5	1000	!	30000	Two-point linear
CK-MB	426	Kinetic	Up	340	670	U/L	1	10	/	/	10	18	6	120	30	5	600	0.2	20000	Two-point linear
IgA	441	EndPoint	Up	340	/	g/L	2	17	-3	-1	8	10	2.1	140	70	0.2	5.6	/	/	Logit 5P

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									Low	Up	Low	Up				Low	Up			
IgG	443	EndPoint	Up	670	/	g/L	2	17	-3	-1	5	7	2.1	140	70	0.3	35	/	/	Logit 5P
IgM	442	EndPoint	Up	340	/	g/L	2	17	-3	-1	16	18	2.1	140	35	0.05	4.8	/	/	Logit 5P
C3	439	EndPoint	Up	340	/	g/L	2	17	-3	-1	11	13	2.1	140	70	0.04	3.3	/	/	Logit 5P
C4	440	EndPoint	Up	340	/	g/L	3	17	-3	-1	16	18	2.4	160	60	0.015	0.8	/	/	Spline
CRP	429	EndPoint	Up	340	/	mg/L	1	17	-3	-1	16	18	13.6	160	40	2	150	/	/	Logit 5P
Ca	422	EndPoint	Up	630	/	mmol/L	2	0	-3	-1	8	10	2	200	/	0.1	3.75	/	/	Two-point linear
Mg	423	EndPoint	Up	510	630	mmol/L	2	0	-3	-1	16	18	2	200	/	0.04	2.05	/	/	Two-point linear
Mg II	482	EndPoint	Up	546	630	mmol/L	2	0	-3	-1	16	18	2	200	/	0.04	2.05	/	/	Two-point linear
P	424	EndPoint	Up	340	450	mmol/L	2	0	-3	-1	32	34	2	200	/	0.3	4	/	/	Two-point linear
Fe	453	EndPoint	Up	578	670	µmol/L	1	16	-3	-1	16	18	10	125	25	0.9	200	/	/	Two-point linear
CO_2	451	FixedTime	Down	405	510	mmol/L	2	0	/	/	4	13	2	200	/	1	50	/	7000	Two-point linear
α-AMY	428	Kinetic	Up	405	578	U/L	1	17	/	/	3	10	3	120	30	5	1500	0.2	22000	Two-point linear
LIP	448	Kinetic	Up	578	670	U/L	1	10	/	/	8	16	2	200	40	5	250	0.2	4600	Two-point linear
MALB	460	EndPoint	Up	340	/	mg/L	1	13	-3	-1	16	18	8	125	20	4	300	/	/	Spline
FER	461	EndPoint	Up	578	/	ng/mL	0	13	1	1	10	12	6	120	60	10	1000	/	/	Two-point linear
TRF	462	EndPoint	Up	340	/	g/L	2	13	-3	-1	12	14	2	200	20	0.5	4.5	/	/	Spline
RBP	463	EndPoint	Up	630	/	mg/dL	2	13	1	1	14	16	4	180	60	0.35	15	/	/	Two-point linear
ACE	464	Kinetic	Down	340	405	U/L	1	0	/	/	14	28	12	150	/	12	150	0.2	!	Two-point linear
β-HB	465	EndPoint	Up	510	670	mmol/L	2	13	-3	-1	16	18	3.6	120	30	0.03	5.5	/	/	Two-point linear
UIBC	467	EndPoint	Up	578	670	µmol/L	1	13	-3	-1	16	18	12	200	50	3	100	/	/	Two-point linear
G6PD	466	Kinetic	Up	340	405	U/L	0	13	/	/	3	10	6	120	30	3	3000	0.2	!	single-point K factor
ASO II	469	FixedTime	Up	578	/	IU/mL	1	13	/	/	1	17	3	150	150	20	1000	0.2	14500	Two-point linear
RF II	470	EndPoint	Up	340	/	IU/mL	1	13	-3	-1	16	18	6	180	36	10	500	/	/	Spline
FR-CRP	471	EndPoint	Up	578	/	mg/L	2	13	1	1	16	18	3	150	150	0.2	320	/	/	Spline
CysC II	472	EndPoint	Up	578	/	mg/L	2	13	1	1	16	18	2	120	30	0.1	8	/	/	Spline
β2-MG II	473	EndPoint	Up	578	/	mg/L	2	13	1	1	16	18	2	160	40	0.2	18	/	/	Spline
β 2-MG II-U	481	EndPoint	Up	578	/	mg/L	2	13	1	1	16	18	8	160	40	0.05	5	/	/	Spline
T-bil-D II	474	EndPoint	Up	546	630	µmol/L	2	17	-3	-1	16	18	3	200	50	1.7	600	/	/	Two-point linear
D-bil-D II	475	EndPoint	Up	546	670	µmol/L	2	17	-3	-1	16	18	16	160	40	1	260	/	/	Two-point linear

Precautions and Warnings：

1. UIBC: Set [Slope/Offset]: [-1];

2. G6PD: K factor: 223930.

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