Reagent Parameters for BS200E Chemistry Analyzer

	Reac. Type	Direc-tion	Unit	Preci-sion	Pri. Wave	Sec. Wave	S (ul)	R1 (ul)	R2 (ul)	Linear Limit	Reac. Time		Incuba. Time	Substrate Limit	Antigen excess	Linearity Range Limit		Rule
											From	To				Up	Low	
ALT	Kinetic	Down	U/L	0.1	340	412	10	200	50	0.2	3	13	14	4800	/	1000	4	Two-piont linear
AST	Kinetic	Down	U/L	0.1	340	412	10	200	50	/	3	13	14	5700	/	800	4	Two-piont linear
ALP	Kinetic	Up	U/L	0.1	412	546	4	200	50	0.2	3	13	14	20000	/	800	5	Two-piont linear
γ-GT	Kinetic	Up	U/L	0.1	412	546	20	200	50	0.2	3	13	14	17200	/	650	4	Two-piont linear
TP	EndPoint	Up	g/L	0.1	546	605	4	200	/	/	0	33	/	/	/	120	2	Two-piont linear
ALB	EndPoint	Up	g/L	0.1	570	505	3	300	/	/	0	17	/	/	/	60	3	Two-piont linear
T-Bil-V	EndPoint	Down	μmol/L	0.1	450	546	11	308	77	/	-1	17	14	/	/	684	2	Two-piont linear
D-Bil-V	EndPoint	Down	μmol/L	0.1	450	546	7	196	49	/	-1	17	14	/	/	430	1	Two-piont linear
T-Bil-D	EndPoint	Up	μmol/L	0.01	546	660	20	200	/	/	0	31	/	/	/	600	1.7	Two-piont linear
D-Bil-D	EndPoint	Up	μmol/L	0.01	546	660	20	200	/	/	0	7	/	/	/	260	1	Two-piont linear
TBA	Kinetic	Up	μmol/L	0.1	412	505	3	203	68	0.2	3	10	14	30000	/	180	2	Two-piont linear
PA	EndPoint	Up	mg/L	0.1	340	/	8.4	240	90	/	-1	17	14	/	/	800	10	SPLINE
CHE	Kinetic	Down	U/L	1	412	700	4	250	50	0.2	7	14	14	/	/	20000	400	Two-piont linear
AFU	Kinetic	Up	U/L	0.01	412	/	25	225	/	0.2	10	20	/	/	/	300	0.5	One-piont linear
ADA	Kinetic	Up	U/L	0.01	546	/	5	180	90	0.2	10	17	14	/	/	200	1	Two-piont linear
5'-NT	Kinetic	Up	U/L	0.01	546	/	10	180	90	0.2	10	17	14	/	/	300	0.5	Two-piont linear
UA	EndPoint	Up	μmol/L	0.1	546	700	5	240	60	/	-1	17	14	/	/	1500	20.8	Two-piont linear
UREA	FixedTime	Down	mmol/L	0.01	340	700	3	300	75	/	2	7	14	8000	/	40	1	Two-piont linear
CREA-J	FixedTime	Up	μmol/L	0.1	505	700	16	160	160	/	2	9	14	27000	/	2420	9	Two-piont linear
CREA-S	EndPoint	Up	μmol/L	0.1	546	700	6	180	60	/	-1	17	14	/	/	9000	10	Two-piont linear
Glu-GOD	EndPoint	Up	mmol/L	0.01	505	660	3	240	60	/	-1	17	14	/	/	28	0.3	Two-piont linear
Glu-HK	EndPoint	Up	mmol/L	0.01	340	700	3	250	125	/	-1	17	14	/	/	33	0.6	Two-piont linear
FUN	Kinetic	Up	μmol/L	0.1	546	700	20	200	50	0.2	17	24	14	/	/	1000	5	Two-piont linear
Hb	EndPoint	Up	μmol/L	0.1	505	800	12	180	/	/	0	17	14	/	/	310	/	Two-piont linear
HbA1C	EndPoint	Up	μmol/L	0.1	600	800	12	180	60	/	-1	17	14	/	/	/	/	Two-piont linear
β2-mG	FixedTime	Up	mg/L	0.01	546	/	3	240	60	/	2	10	14	/	/	18	0.2	Two-piont linear
TC	EndPoint	Up	mmol/L	0.01	505	700	3	300	/	/	0	17	/	/	/	20	0.1	Two-piont linear
TG	EndPoint	Up	mmol/L	0.01	505	700	3	300	/	/	0	33	/	/	/	12.5	0.1	Two-piont linear
HDL-C	EndPoint	Up	mmol/L	0.01	605	700	3	225	75	/	-1	17	14	/	/	6	0.05	Two-piont linear
LDL-C	EndPoint	Up	mmol/L	0.01	605	700	3	225	75	/	-1	17	14	/	/	25.8	0.05	Two-piont linear

	Reac. Type	Direc-tion	Unit	Preci-sion	Pri. Wave	Sec. Wave	S (ul)	R1 (ul)	R2 (ul)	Linear Limit	Reac. Time		Incuba. Time	Substrate Limit	Antigen excess	Linearity Range Limit		Rule
											From	To				Up	Low	
ApoA1	EndPoint	Up	g/L	0.01	340	/	2	200	65	/	-1	17	14	/	/	2.3	0.2	Logit 5P
ApoB	EndPoint	Up	g/L	0.01	340	/	3	300	100	/	-1	17	14	/	/	2.2	0.2	Logit 5P
Lp(a)	EndPoint	Up	mg/L	0.01	340	/	14.4	240	24	/	-1	17	14	/	/	1000	40	Logit 4P
HCY	EndPoint	Up	μmol/L	0.1	660	700	20	200	30	/	-1	17	14	/	/	40	1	Two-piont linear
LDH	Kinetic	Up	U/L	0.1	340	700	10	240	60	0.2	3	13	14	11500	/	1000	4	Two-piont linear
α-HBDH	Kinetic	Down	U/L	0.1	340	546	10	240	60	0.2	3	17	14	1700	/	1000	10	Two-piont linear
CK	Kinetic	Up	U/L	0.1	340	546	5	200	50	/	10	20	14	18800	/	1000	5	Two-piont linear
CK-MB	Kinetic	Up	U/L	0.1	340	546	10	200	50	0.2	10	20	14	11700	/	600	5	Two-piont linear
IgA	EndPoint	Up	g/L	0.01	340	/	3	200	100	/	-1	17	14	/	/	5.6	0.2	Logit 5P
IgG	EndPoint	Up	g/L	0.01	660	/	4.2	280	140	/	-1	6	14	/	/	35	0.3	Logit 5P
IgM	EndPoint	Up	g/L	0.01	340	/	3	200	50	/	-1	17	14	/	/	4.8	0.05	Logit 5P
C3	EndPoint	Up	g/L	0.01	340	/	3	200	100	/	-1	9	14	/	/	3.3	0.04	Logit 5P
C4	EndPoint	Up	g/L	0.01	340	/	3	200	75	/	-1	17	14	/	/	0.8	0.015	SPLINE
CRP	EndPoint	Up	mg/L	0.1	340	/	22.1	260	65	/	-1	17	14	/	/	150	2	Logit 5P
ASO	FixedTime	Up	IU/mL	0.1	570	800	3	150	150	/	3	17	14	/	/	1000	20	Two-piont linear
RF	FixedTime	Up	IU/mL	0.1	505	/	6	180	60	/	5	10	14	/	/	120	4	SPLINE
Ca	EndPoint	Up	mmol/L	0.01	660	700	3	300	/	/	0	17	/	/	/	3.75	0.1	Two-piont linear
Mg	EndPoint	Up	mmol/L	0.01	505	605	3	300	/	/	0	17	/	/	/	2.05	0.04	Two-piont linear
P	EndPoint	Up	mmol/L	0.01	340	546	3	300	/	/	0	17	/	/	/	4	0.3	Two-piont linear
FE	EndPoint	Up	μmol/L	0.1	570	700	20	250	50	/	-1	7	14	/	/	200	0.9	Two-piont linear
CO2	FixedTime	Down	mmol/L	0.01	412	505	3	300	/	/	3	13	/	/	/	50	1	Two-piont linear
α-AMY	Kinetic	Up	U/L	0.1	412	570	5	200	50	0.2	3	7	14	19500	/	1500	5	Two-piont linear
LIP	Kinetic	Up	U/L	0.1	570	700	3	300	60	0.2	7	14	14	/	/	250	5	Two-piont linear

Note：(1)The aim of using the sec. Wave's is to elimination the noise of instrument,astigmatism and the interference.

(2)T-bil(DSA) and T-bil(DSA)'s working solution must be prepared before use. To prepare the working solution, mix 4 parts R1 with 1 part R2.

(3)T-Bil-V(T-Bil-VOX Method),D-Bil-V(D-Bil-VOX Method),T-Bil-D(T-Bil-DSA Method),D-Bil-D(D-Bil-DSA Method),CREA-J (Modified Jaffé Method),CREA-S(CREA-Sarcosine Oxidase Method),Glu-God(Glu-GOD-POD Method),Glu-HK(Glu-HK Method).

(4)Procedure of HbA1c Carryover settings: Parameters screen ---Carryover screen ---Check "HbA1c R2" on the left column--- Check "all" at the lower right corner---Check "OK"; And Place CD80 detergent in position No.39 of the reagent disk.