Program/Assay Points for

ACCUREX Biochemistry Parameters on AU 480/680

Test Parameters – Test Details AU 480/680						
Test	ALP	**BUN** (Inf)	**GPT/GOT (Inf)**	**ALB**	**LDL Direct**	**Uric Acid**
Type	Serum	Serum	Serum	Serum	Serum	Serum
Operation	Yes	Yes	Yes	Yes	Yes	Yes
Sample Volume	5	2.5	12.5	2	3	5
Dilution	0	0	0	0	0	0
Predilution	1	1	1	1	**1**	**1**
OD limit (Max – Min)	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5
Reagent Volume R1 & R2 **(No dilution required)**	R1 - 250	R1 – 200 R2 - 50	R1 – 200 R2 - 50	R1 – 200	R1 – 225 R2 - 75	R1 - 200
Wavelength	405 nm	340 nm	340 nm	620 nm	546 nm	505 nm
Method	Rate	Fixed	Rate	END	END-1	END
Reaction Slope	Positive	Negative	Negative	Positive	Positive	Positive
Measuring **Point 1** First – Last	5 - 9	15 - 21	17 - 27	0 – 7	0 - 27	0 – 15
Measuring **Point 2** First - Last	0 – 0	0 – 0	0 – 0	0 – 0	0 - 10	0 - 0
Linearity Limit	NA	25%	40%	NA	NA	NA
Reagent OD Limit First – Last Low & High	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5
Dynamic range Low - High	0 - 700	0 – 250	PT (0 – 600) OT (0 – 800)	0 – 6	0 - 450	0 – 25
Co-relation Factor	1 – 0	1 – 0	1 – 0	1 – 0	1 - 0	1 – 0
Factor for Marker	1 – 0	1 – 0	1 – 0	1 – 0	1 - 0	1 – 0
Unit	Mg/dl	Mg/dl	U/L	g/dl	Mg/dl	Mg/dl
Decimals	2	2	1	1	1	1
Calibration						
Calibration Type	Linear	Linear	Linear	Linear	Linear	Linear
Formula	AB	AB	AB	AB	AB	AB

Program/Assay Points for

ACCUREX Biochemistry Parameters on AU 480/680

Test Parameters – Test Details AU 480/680						
Test	**Glucose**	**Ck-MB**	**TG**	AMY	**GGT**	**CystatinC**
Type	Serum	Serum	Serun	Serum	Serum	Serum
Operation	Yes	Yes	Yes	Yes	Yes	Yes
Sample Volume	2.5	10	2.5	5	12	3
Dilution	0	0	0	0	0	0
Predilution	1	1	1	1	1	1
OD Limit (Max – Min)	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5
Regeant Vol R1 & R2 (No Dilution)	R1 – 250	R1 – 160 R2 – 40	R1 – 250	R1 - 250	R1 – 200 R2 – 50	R1 – 225 R2 - 45
Wavelength	505 nm	340 nm	505 nm	405 nm	405 nm	546 nm
Method	End	RATE	END	RATE	Increasing	END-1
Reaction Slope	Positive	Positive	Positive	Positive	Positive	Positive
Measuring **Point 1** First- Last	0 – 25	15 – 21	0 – 27	5 – 9	17 - 27	0 – 27
Measuring **Point 2** First- Last	0 – 0	0 – 0	0 – 0	0 – 0	0 – 0	0 – 10
Linearity Limit	NA	35%	NA	40%	40%	NA
Reagent OD Limit First – Last/Low high	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5
Dynamic Range Low – High	0 - 500	0 - 2000	0 – 800	0 - 2000	0 – 2000	0 – 6.5
Unit	Mg/dl	U/L	Mg/dl	U/L	U/L	Mg/L
Decimals	1	1	1	1	1	2
Calibration						
Calibration Type	Linear	Linear	Linear	Linear	Linear	Spline
Formula	AB	AB	AB	AB	AB	5AB

Program/Assay Points for

ACCUREX Biochemistry Parameters on AU 480/680

Test Parameters – Test Details AU **480/680**						
Test	**Creat**	**Hcy**	**ADA**	Micro Albumin/CRP (Provisional)	**RA** (Provisional)	**CK-NAC**
Type	Serum	Serum	Serum	Serum	Serum	Serum
Operation	Yes	Yes	Yes	Yes	Yes	Yes
Sample Volume	12.5	15	5	2	2	8
Dilution	0	0	0	0	0	0
Predilution	1	1	1	1	1	1
OD Limit (Max – Min)	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5
Regeant Vol R1 & R2 (No Dilution)	R1 – 125 R2 – 125	R1 – 240 R2 – 60	R1 – 180 R2 – 90	R1 – 270 R2 – 30	R1 – 270 R2 – 30	R1 – 160 R2 - 40
Wavelength	505 nm	340 nm	546 nm	546 nm	630	340 nm
Method	Fixed	Fixed	RATE	Fixed	END	RATE
Reaction Slope	Positive	Negative	Positive	Positive	Positive	Positive
Measuring **Point 1** First- Last	14 - 21	21 – 27	20 – 27	12 - 25	0 - 25	8 - 15
Measuring **Point 2** First- Last	0 – 0	0 – 0	0 – 0	0 – 0	0 – 0	0 – 0
Linearity Limit	NA	35%	35%	40%	NA	40%
Reagent OD Limit First – Last/Low high	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5
Dynamic Range Low – High	0 – 30	0 – 50	0 – 300	0 – 150	0 – 100	0 - 2000
Unit	Mg/dl	µmol/L	IU/L	Mg/L	Mg/L	IU/L
Decimals	1	1	1	1	1	
Calibration						
Calibration Type	Linear	Spline	Linear	Linear	Linear	Linear
Formula	AB	5AB	AB	AB	AB	AB

Program/Assay Points for

ACCUREX Biochemistry Parameters on AU 480/680

Test Parameters – Test Details AU 480/680						
Test	**LDH**	**Calcium Arz**	**HDL**	Chol	**Bilirubin T &D**	**Lipase**
Type	Serum	Serum	Serum	Serum	Serum	Serum
Operation	Yes	Yes	Yes	Yes	Yes	Yes
Sample Volume	3	4	3	2	13	3
Dilution	0	0	0	0	0	0
Predilution	1	1	1	1	1	1
OD Limit (Max – Min)	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5
Regeant Vol R1 & R2 (No Dilution)	R1 – 240 R2 – 60	R1 – 200	R1 – 225 R2 – 75	R1 – 200	R1 – 250	R1 – 240 R2 - 60
Wavelength	340	6300 nm	578 nm	505 nm	546 630 Sec	578 nm
Method	Rate	END	END-1	END	END	RATE
Reaction Slope	Negative	Positive	Positive	Positive	Positive	Positive
Measuring **Point 1** First- Last	17 - 27	0 - 7	0 – 27	0 – 27	0 – 15	21 - 26
Measuring **Point 2** First- Last	0 – 0	0 – 0	0 – 10	0 – 0	0 – 0	0 – 0
Linearity Limit	45%	NA	NA	NA	NA	40%
Reagent OD Limit First – Last/Low high	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5	-0.1 – 2.5
Dynamic Range Low – High	0 – 2000	0 – 15	0 – 150	0 – 1000	0 – 20	0 - 300
Unit	U/L	Mg/dl	Mg/dl	Mg/dl	Mg/dl	IU/L
Decimals	1	1	1	1	1	1
Calibration						
Calibration Type	Linear	Linear	Linear	Linear	Linear	Linear
Formula	AB	AB	AB	AB	AB	AB

Program/Assay Points for

ACCUREX Biochemistry Parameters on AU 480/680

Test Parameters – Test Details AU 480/680						
Test	**HbA1c**	**HbA1c (On-Board Lysing)**	~~**HDL**~~	~~Chol~~	~~**Bilirubin T &D**~~	~~**Lipase**~~
Type	WB	WB	~~Serum~~	~~Serum~~	~~Serum~~	~~Serum~~
Operation	Yes	Yes	~~Yes~~	~~Yes~~	~~Yes~~	~~Yes~~
Sample Volume	5	4	~~3~~	~~2~~	~~13~~	~~3~~
Dilution	0	0	~~0~~	~~0~~	~~0~~	~~0~~
Predilution	1	**50**	~~1~~	~~1~~	~~1~~	~~1~~
OD Limit (Max – Min)	-0.1 – 2.5	-0.1 – 2.5	~~-0.1 – 2.5~~	~~-0.1 – 2.5~~	~~-0.1 – 2.5~~	~~-0.1 – 2.5~~
Regeant Vol R1 & R2 (No Dilution)	R1 – 180 R2 – 60	R1 – 150 R2 – 50	~~R1 – 225~~ ~~R2 – 75~~	~~R1 – 200~~	~~R1 – 250~~	~~R1 – 240~~ ~~R2 - 60~~
Wavelength	630 nm	660 nm	~~578 nm~~	~~505 nm~~	~~546~~ ~~630 Sec~~	~~578 nm~~
Method	END-1	END-1	~~END~~	~~END~~	~~END~~	~~RATE~~
Reaction Slope	Positive	Positive	~~Positive~~	~~Positive~~	~~Positive~~	~~Positive~~
Measuring **Point 1** First- Last	0 - 27	0 – 27	~~0 – 27~~	~~0 – 27~~	~~0 – 15~~	~~21 - 26~~
Measuring **Point 2** First- Last	0 – 10	0 – 10	~~0 – 10~~	~~0 – 0~~	~~0 – 0~~	~~0 – 0~~
Linearity Limit	NA	NA	~~NA~~	~~NA~~	~~NA~~	~~40%~~
Reagent OD Limit First – Last/Low high	-0.1 – 2.5	-0.1 – 2.5	~~-0.1 – 2.5~~	~~-0.1 – 2.5~~	~~-0.1 – 2.5~~	~~-0.1 – 2.5~~
Dynamic Range Low – High	0 – 16	0 – 16	~~0 – 150~~	~~0 – 1000~~	~~0 – 20~~	~~0 - 2000~~
Unit	%	%	~~Mg/dl~~	~~Mg/dl~~	~~Mg/dl~~	~~IU/L~~
Decimals	2	2	~~1~~	~~1~~	~~1~~	~~1~~
Calibration						
Calibration Type	Spline	Spline	~~Linear~~	~~Linear~~	~~Linear~~	~~Linear~~
Formula	5AB	5AB	~~AB~~	~~AB~~	~~AB~~	~~AB~~

Program/Assay Points for

ACCUREX Biochemistry Parameters on AU 480/680

Note –

1. For ADA do not put on factor on FAA, calibration to be done with ADA Calibrator ONLY – A MUST.
2. For RA/CRP & Micro-Albumin share the data for re-validation.
3. For HbA1c there are two programs i.e a Routine external lysing & **On-board Lysing** which has a *Pre-dilution factor* **of 50** to be mentioned.