

Program/Assay Points for
ACCUREX Biochemistry Parameters on Transasia (EM 200)

Test Parameters – Test Details EM 100/180/200						
Autozyme						
Test	Albumin	ALP	Bilirubin (T & D)	Calcium Arz	Cholestrol	Creat
Unit	g/dl	U/L	mg/dl	mg/dl	mg/dl	mg/dl
WaveLength Primary	600 nm	405 nm	546 nm	630 nm	505 nm	505 nm
Secondary	-	-	630 nm	-	-	
Assay Type	1 – Point	Rate A	1 – point	1 – point	1 - Point	2 –Point
Curve Type	Linear	Linear	Linear	Linear	Linear	Linear
M1 Start – M1 End	0 – 0	0 – 0	0 – 0	0 – 0	0 – 0	19 – 19
M2 Start – M2 End	5 - 7	4 - 9	17 – 19	7 – 9	17 – 19	21 - 22
Sample/STD/Control Replicates	1/3/1	1/3/1	1/3/1	1/3/1	1/3/1	1/3/1
Reaction Direction	Increasing	Increasing	Increasing	Increasing	Increasing	Increasing
Technical Max	6	700	20	15	1000	30
Test Volumes						
Normal	3 µl	6 µl	12 µl	6 µl	3 µl	12 µl
Standard Volume	3 µl	6 µl	12 µl	6 µl	3 µl	12 µl
R1 Volume	300 µl	300 µl	250 µl	300 µl	250 µl	125 µl
R1 Stirrer	Medium	Medium	Medium	Medium	Medium	Medium
R2 Volume	-	-	-	-	-	125 µl
R2 Stirrer	-	-	-	-	-	Medium

Note –

1. Glucose, TG, Cholestrol & Uric Acid **Program** are same for both **AutoZyme & Infinite**.
2. **AutoZyme** GOT, GPT & BUN **are not preferred** for Fully Automated analyser.
3. AutoPure program are highlighted **in yellow**.
4. Inf program is also applicable for XL system packs.
5. Aotpure & Inf program for all the parameters are similar except BUN.

Program/Assay Points for

ACCUREX Biochemistry Parameters on Transasia (EM 200)

Test Parameters – Test Details EM 100/180/200						
Autozyme						
Test	GGT	Glucose	Phosphorus	TP	TG	UA
Unit	U/L	mg/dl	mg/dl	mg/dl	mg/dl	mg/dl
WaveLength Primary	405 nm	505 nm	340 nm	546 nm	505 nm	505 nm
Secondary	-	-	-	-	-	-
Assay Type	Rate A	1 –Point	1 –Point	1 –Point	1 – Point	1 - Point
Curve Type	Linear	Linear	Linear	Linear	Linear	Linear
M1 Start – M1 End	0 – 0	0 – 0	0 – 0	0 – 0	0 – 0	0 – 0
M2 Start – M2 End	21 – 27	23 – 25	17 – 19	17 -19	34 – 36	17- 19
Sample/STD/C ontrol Replicates	1/3/1	1/3/1	1/3/1	1/3/1	1/3/1	1/3/1
Reaction Direction	Increasing	Increasing	Increasing	Increasing	Increasing	Increasing
Technical Max	1000	500	20	18	800	25
Test Volumes						
Normal	12 µl	3 µl	3 µl	3 µl	3 µl	6 µl
Standard Volume	12 µl	3 µl	3 µl	3 µl	3 µl	6 µl
R1 Volume	200 µl	300 µl	300 µl	300 µl	300 µl	250 µl
R1 Stirrer	Medium	Medium	Medium	Medium	Medium	Medium
R2 Volume	50 µl	-	-	-	-	-
R2 Stirrer	Medium	-	-	-	-	-

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Test Parameters – Test Details EM 100/180/200						
Infinite						
Test	Amylase	BUN	Cholinesterase	CK-MB	CK-NAC	GOT/GPT
Unit	U/L	mg/dl	U/L	U/L	U/L	IU/L
WaveLength Primary	405 nm	340 nm	405 nm	340 nm	340 nm	340 nm
Secondary	-	-	-	-	-	-
Assay Type	Rate A	2 – Point	Rate A	Rate A	Rate A	Rate A
Curve Type	Linear	Linear	Linear	Linear	Linear	Linear
M1 Start – M1 End	0 – 0	19 – 20	0 - 0	0 – 0	0 – 0	0 – 0
M2 Start – M2 End	4 – 9	22 – 23	22 – 27	17 – 23	27 – 33	21 – 27
Sample/STD/Control Replicates	1/3/1	1/3/1	1/3/1	1/3/1	1/3/1	1/3/1
Reaction Direction	Increasing	Decreasing	Decreasing	Increasing	Increasing	Decreasing
Technical Max	2000	250	25000	2000	2000	GOT – 800 GPT – 600
Test Volumes						
Normal	6 µl	3 µl	4 µl	12 µl	10 µl	12 µl
Standard Volume	6 µl	3 µl	4 µl	12 µl	10 µl	12 µl
R1 Volume	300 µl	240 µl	200 µl	250 µl	200 µl	200 µl
R1 Stirrer	Medium	Medium	Medium	Medium	Medium	Medium
R2 Volume	-	60 µl	40 µl	-	50 µl	50 µl
R2 Stirrer	-	Medium	Medium	-	Medium	Medium

Program/Assay Points for

ACCUREX Biochemistry Parameters on Transasia (EM 200)

Test Parameters – Test Details EM 100/180/200						
Infinite						
Test	HDL/LDL (AutoPure/Inf)	Enzy Creat (AutoPure)	LDH	Lipase	μProtein	μAlb
Unit	mg/L	Mg/dl	IU/L	U/L	Mg/dl	Mg/L
WaveLength Primary	HDL – 578 nm LDL – 546 nm	546 nm	340 nm	578 nm	600 nm	546 nm
Secondary	-	-	-	-	-	-
Assay Type	2 – Point	2-Point	RATE A	Rate A	1 – Point	2 – Point
Curve Type	Linear	Linear	Linear	Linear	Linear	Linear
M1 Start – M1 End	16 – 16	16 – 16	0 – 0	0 – 0	0 – 0	18 – 19
M2 Start – M2 End	34 – 36	33 – 34	21 – 27	24 – 32	17 – 19	24 – 25
Sample/STD/C ontrol Replicates	1/3/1	1/3/1	1/3/1	1/3/1	1/3/1	1/3/1
Reaction Direction	Increasing	Increasing	Decreasing	Increasing	Increasing	Increasing
Technical Max	HDL – 150 LDL – 450	200	2000	300	300	150
Test Volumes						
Normal	3 μl	5 μl	6 μl	3 μl	6 μl	2 μl
Standard Volume	3 μl	5 μl	6 μl	3 μl	6 μl	2 μl
R1 Volume	300 μl	225 μl	240 μl	240 μl	300 μl	240 μl
R1 Stirrer	Medium	Medium	Medium	Medium	Medium	Medium
R2 Volume	100 μl	75 μl	60 μl	60 μl	-	60 μl
R2 Stirrer	Medium	Medium	Medium	Medium	-	Medium

Program/Assay Points for

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Test Parameters – Test Details EM 100/180/200						
Infinite						
Test	ASO Turbi	CRP Turbi	RA Turbi	ADA (AutoPure/ Inf)	Cystatin C (AutoPure)	HCY (AutoPure)
Unit	U/ml	mg/L	IU/ml	U/L	mg/L	µmol/L
WaveLength Primary	546 nm	546 nm	630 nm	546 nm	546 nm	340 nm
Secondary	-	-	-	-	-	-
Assay Type	2 – Point	2-Point	1 – Point	Rate A	2 – Point	2 – Point
Curve Type	Linear	Linear	Linear	Linear	Exponential	Exponential
M1 Start – M1 End	18 – 19	18 – 19	0 – 0	0 – 0	16 – 16	25 – 26
M2 Start – M2 End	24 - 25	24 – 25	25 – 26	27 – 36	34 – 36	31 – 32
Sample/STD/C ontrol Replicates	1/3/1	1/3/1	1/3/1	1/3/1	1/1/1	1/1/1
Reaction Direction	Increasing	Increasing	Increasing	Increasing	Increasing	Decreasing
Technical Max	800	150	150	200	6.5	50
Test Volumes						
Normal	3 µl	2 µl	2 µl	5 µl	3 µl	15 µl
Standard Volume	3 µl	2 µl	2 µl	5 µl	3 µl	15 µl
R1 Volume	270 µl	270 µl	270 µl	180 µl	225 µl	240 µl
R1 Stirrer	Medium	Medium	Medium	Medium	Medium	Medium
R2 Volume	30 µl	30 µl	30 µl	90 µl	45 µl	60 µl
R2 Stirrer	Medium	Medium	Medium	Medium	High	Medium

Program/Assay Points for

ACCUREX Biochemistry Parameters on Transasia (EM 200)

Test Parameters – Test Details EM 100/180/200						
Infinite						
Test	HbA1c (AutoPure/Inf)	CRP Turbi	BUN (AutoPure)	ADA	Cystatin-C	HCY
Unit	%	mg/L	mg/dl	U/L	mg/L	μmol/L
WaveLength Primary	630 nm	546 nm	340 nm	546 nm	546 nm	340 nm
Secondary	-	-	-	-	-	-
Assay Type	2 – Point	2-Point	2 – Point	Rate A	2 – Point	2 – Point
Curve Type	Exponential	Linear	Linear	Linear	Exponential	Exponential
M1 Start – M1 End	16 – 16	18 – 18	21 – 22	0 – 0	16 – 16	25 – 26
M2 Start – M2 End	34 – 36	23 – 24	26 – 27	27 – 36	34 – 36	31 – 32
Sample/STD/C ontrol Replicates	1/1/1	1/3/1	1/3/1	1/3/1	1/1/1	1/1/1
Reaction Direction	Increasing	Increasing	Decreasing	Increasing	Increasing	Decreasing
Technical Max	16	150	250	200	6.5	50
Test Volumes						
Normal	5 μl	2 μl	3 μl	5 μl	3 μl	15 μl
Standard Volume	5 μl	2 μl	3 μl	5 μl	3 μl	15 μl
R1 Volume	180 μl	270 μl	188 μl	180 μl	225 μl	240 μl
R1 Stirrer	High	Medium	Medium	Medium	Medium	Medium
R2 Volume	60 μl	30 μl	112 μl	90 μl	45 μl	60 μl
R2 Stirrer	Medium	Medium	Medium	Medium	High	Medium