responsegio



ALAT (GPT) FS (IFCC mod.)

Application for serum and plasma samples

This application was set up and evaluated by DiaSys. It is based on the standard equipment at that time and does not apply to any equipment modifications undertaken by unqualified personnel.

This method is usable for analysis:	Yes
Twin reaction:	No
Name:	ALT
Shortcut:	010
Reagent barcode reference: Host reference:	010
Host reference.	
Technic	
Туре:	Linear kinetic
First reagent:[µL]	160
Blank reagent	Yes
Sensitive to light	
Second reagent:[µL]	40
Blank reagent Sensitive to light	Yes
Main wavelength:[nm]	340
Secondary wavelength:[nm]	405
Polychromatic factor:	1.000
1 st reading time [min:sec]	5:48
Last reading time [min:sec]	9:36
Reaction way:	Decreasing
Linear Kinetics	
Substrate depletion: Absorbance li	0.3000
Linearity: Maximum deviation [%]	100
Fixed Time Kinetics	
Substrate depletion: Absorbance limit	
Endpoint	
Stability: Largest remaining slope	
Prozone Limit [%]	
Reagents	
Decimals	
Units	
	•
Sample	
Diluent	DIL A (NaCl)
Hemolysis:	
Agent [µL]	0 (no hemolysis)
Cleaner	
Sample [µL]	0
Technical limits	
-	
Concentration technical limits-Lower	3
Concentration technical limits-Upper	600
SERUM Normal volume [µL]	10
	12
Normal dilution (factor) Below normal volume [µL]	20
Below normal dilution (factor)	1
Above normal volume [µL]	2
Above normal dilution (factor)	1
URIN	
	12
	14
Normal volume [µL] Normal dilution (factor)	1
Normal dilution (factor) Below normal volume [µL]	
Normal dilution (factor)	1
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal volume [µL]	1 20
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal volume [µL] Above normal dilution (factor)	1 20 1
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal volume [µL] Above normal dilution (factor) PLASMA	1 20 1 2 1
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal volume [µL] Above normal dilution (factor) PLASMA Normal volume [µL]	1 20 1 2 1 1 2 1 1 12
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal volume [µL] Above normal dilution (factor) PLASMA Normal volume [µL] Normal dilution (factor)	1 20 1 2 1 1 1 1 12 1
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal volume [µL] Above normal dilution (factor) PLASMA Normal volume [µL] Normal dilution (factor) Below normal volume [µL]	1 20 1 2 1 1 2 1 2 1 2 1 2 12 1 20
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal volume [µL] Above normal dilution (factor) PLASMA Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor)	1 20 1 2 1 12 1 20 1
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal volume [µL] Above normal dilution (factor) PLASMA Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal volume [µL]	1 20 1 2 1 12 1 20 1
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Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal dilution (factor) Above normal dilution (factor) PLASMA Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal volume [µL] Above normal dilution (factor) CSF Normal volume [µL]	1 20 1 2 1 12 1 20 1 20 1 20 1 2 1 12 12 12 12 12 12 12
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal dilution (factor) PLASMA Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal dilution (factor) Above normal dilution (factor) CSF Normal volume [µL] Normal volume [µL] Normal dilution (factor)	1 20 1 2 1 2 1 20 1 20 1 20 1 20 1 20 1 20 1 21 1 12 1 12 1
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Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal dilution (factor) PLASMA Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal volume [µL] Above normal dilution (factor) CSF Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal volume [µL] Below normal volume [µL] Below normal volume [µL]	1 20 1 2 1 2 1 2 1 20 1 20 1 20 1 20 1 20 1 2 1 2 1 20 12 1 20
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal dilution (factor) PLASMA Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal volume [µL] Above normal volume [µL] Above normal dilution (factor) CSF Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal volume [µL] Below normal dilution (factor) Above normal volume [µL]	1 20 1 2 1 12 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal dilution (factor) PLASMA Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal volume [µL] Above normal dilution (factor) CSF Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal volume [µL] Below normal volume [µL] Below normal volume [µL]	1 20 1 2 1 12 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 2
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal dilution (factor) PLASMA Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal volume [µL] Above normal volume [µL] Above normal dilution (factor) CSF Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal volume [µL] Below normal volume [µL] Above normal volume [µL] Above normal volume [µL]	1 20 1 2 1 12 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 2
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal dilution (factor) PLASMA Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal dilution (factor) CSF Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal volume [µL] Above normal volume [µL] Above normal volume [µL] Below normal volume [µL] Above normal volume [µL] Above normal dilution (factor) Above normal dilution (factor) Whole blood	1 20 1 2 1 12 1 20 1 20 1 20 1 20 1 20 1 20 1 2 1 20 1 20 1 20 1 20 1 2 1 2 1 2 1 2 1
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal dilution (factor) PLASMA Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Below normal volume [µL] Above normal dilution (factor) Above normal dilution (factor) CSF Normal volume [µL] Normal dilution (factor) Below normal volume [µL] Normal dilution (factor) Below normal volume [µL] Above normal volume [µL] Normal dilution (factor) Below normal volume [µL] Above normal dilution (factor) Whole blood Normal volume [µL]	1 20 1 2 1 12 1 20 1 20 1 20 1 20 1 20 1 20 1 2 1 20 1 20 1 20 1 20 1 2 1 12 12
Normal dilution (factor) Below normal volume [µL] Below normal dilution (factor) Above normal dilution (factor) PLASMA Normal volume [µL] Normal dilution (factor) Below normal dilution (factor) Above normal dilution (factor) Above normal dilution (factor) CSF Normal volume [µL] Normal dilution (factor) Below normal dilution (factor) CSF Normal dilution (factor) Below normal volume [µL] Below normal volume [µL] Below normal dilution (factor) Above normal volume [µL] Normal dilution (factor) Above normal dilution (factor) Above normal dilution (factor) Whole blood Normal volume [µL] Normal dilution (factor)	1 20 1 2 1 2 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 12 1 12 1 12 1 12 1

Results	
1	
U/L	
0.000	
1.000	

Range	
Gender	Male
Age	
SERUM	>= <=41.0
URINE	
PLASMA	>= <=41.0
CSF	
Whole blood	
Gender	Female
Age	
SERUM	>= <=31.0
URINE	
PLASMA	>= <=31.0
CSF	
Whole blood	

Contaminants

Please refer to r910 Carryover Pair Table

Calibrators details	
Calibrator list	Concentration
Cal. 1/Blank	0
Cal. 2	*
Cal. 3	
Cal. 4	
Cal. 5	
Cal. 6	
	Max delta abs.
Cal. 1	0.002
Cal. 2	0.005
Cal. 3	
Cal. 4	
Cal. 5	
Cal. 6	
Drift limit [%]	0.8

Calculations

Calculationo	
Model	Х
Degree	1

* Enter calibrator value

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ALAT (GPT) FS (IFCC mod.) with P-5-P activation

Application for serum and plasma samples

This application was set up and evaluated by DiaSys. It is based on the standard equipment at that time and does not apply to any equipment modifications undertaken by unqualified personnel.

Yes No ALT 63
ALT
63
Linear kinetic
160
Yes
103
40
Yes
340
405
1.000
5:48
9:36
Decreasing
0.3900
100
100
1
1
DIL A (NaCl)
0 (no hemolysis)
0
3
600
12
1
20
1 2
1
+ '
12
1
20
1
2
1
12
1
20
1
2
1
12
1
1 20
20
20 1
20
20 1 2
20 1 2
20 1 2 1
20 1 2 1 1 12
20 1 2 1 1 1 12 1

Results		
Decimals	1	
Units	U/L	
Correlation factor-Offset	0.000	
Correlation factor-Slope	1.000	
•		

Range	
Gender	Male
Age	
SERUM	>= <=45.0
URINE	
PLASMA	>= <=45.0
CSF	
Whole blood	
Gender	Female
Age	
SERUM	>= <=34.0
URINE	
PLASMA	>= <=34.0
CSF	
Whole blood	

Contaminants

Please refer to r910 Carryover Pair Table

Calibrators details	
Calibrator list	Concentration
Cal. 1/Blank	0
Cal. 2	*
Cal. 3	
Cal. 4	
Cal. 5	
Cal. 6	
	Max delta abs.
Cal. 1	0.002
Cal. 2	0.005
Cal. 3	
Cal. 4	
Cal. 5	
Cal. 6	
Drift limit [%]	0.8

Calculations

Calculations	
Model	Х
Degree	1

* Enter calibrator value