



HbA1c net FS (reaction 1 hemoglobin)

Application for whole blood 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

Identification		
This method is usable for analysis:	Yes	
Twin reaction:	Yes	
Name:	HbA1c net	
Shortcut:		
Reagent barcode reference:	723	
Host reference:		

Technic	
Type:	End point
First reagent:[µL]	150
Blank reagent	Yes
Sensitive to light	Yes
Second reagent:[µL]	
Blank reagent	
Sensitive to light	
Main wavelength:[nm]	570
Secondary wavelength:[nm]	800
Polychromatic factor:	1.000
1 st reading time [min:sec]	(04:24)
Last reading time [min:sec]	04:24
Reaction way:	Increasing
Linear Kinetics	
Linearity: Maximum deviation [%]	
Fixed Time Kinetics	·
Endpoint	·
Prozone Limit [%]	

Reagents	
Decimals	2
Units	g/dL

Sample	
Diluent	System water
Hemolysis:	
Agent [µL]	NET(R951) 200
Cleaner	CLN A (R900)
Sample [µL]	10
Technical limits	HbA1c [mmol/mol]: 20 -150
Concentration technical limits-Lower	6
Concentration technical limits-Upper	30
SERUM	
Normal volume [µL]	25
Normal dilution (factor)	1
Below normal volume [µL]	25
Below normal dilution (factor)	1
Above normal volume [µL]	25
Above normal dilution (factor)	1
URIN	
Normal volume [µL]	25
Normal dilution (factor)	1
Below normal volume [µL]	25
Below normal dilution (factor)	1
Above normal volume [µL]	25
Above normal dilution (factor)	1
PLASMA	
Normal volume [µL]	25
Normal dilution (factor)	1
Below normal volume [µL]	25
Below normal dilution (factor)	1
Above normal volume [µL]	25
Above normal dilution (factor)	1
CSF	
Normal volume [µL]	25
Normal dilution (factor)	1
Below normal volume[µL]	25
Below normal dilution (factor)	1
Above normal volume [µL]	25
Above normal dilution (factor)	1
Whole blood	
Normal volume [µL]	25
Normal dilution (factor)	1
Below normal volume[µL]	25
Below normal dilution (factor)	1
Above normal volume [µL]	25
Above normal dilution (factor)	1

Results	
Decimals	1
Units	mmol/mol
Correlation factor-Offset	0.000
Correlation factor-Slope	1.000

Range	
Gender	All
Age	
SERUM	
URINE	
PLASMA	
CSF	
Whole blood	>=20 <=42
Gender	
Age	
SERUM	
URINE	
PLASMA	
CSF	· ·
Whole blood	

Contaminants	
Contaminant 1	
Wash with	
Cycle	
Volume [µL]	
Contaminant 2	
Wash with	
Cycle	
Volume [µL]	
Contaminant 3	
Wash with	
Cycle	
Volume [µL]	

Calibrators details		
Calibrator list		Concentration
Cal. 1/Blank		*
Cal. 2		*
Cal. 3		
Cal. 4		
Cal. 5		
Cal. 6		
	Max delta abs.	
Cal. 1	0.005	
Cal. 2	0.005	
Cal. 3		
Cal. 4		
Cal. 5		
Cal. 6		
Drift limit [%]	0.8	
Calculations		
Model	·	X
Degree		1

^{*} Enter calibrator value

Calculation of HbA1c /Hb ratio is done automatically.

For values in percent according to DCCT/NGSP please enter 2.15 offset and a slope of 0.0915.





HbA1c net FS (reaction 2 HbA1c)

Application for whole blood 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

Identification		
This method is usable for analysis:	Yes	
Twin reaction:	Yes	
Name:	HbA1c net	
Shortcut:		
Reagent barcode reference:	723	
Host reference:		

Technic	
Type:	Fixed time kinetic
First reagent:[µL]	
Blank reagent	
Sensitive to light	
Second reagent:[µL]	50
Blank reagent	Yes
Sensitive to light	Yes
Main wavelength:[nm]	660
Secondary wavelength:[nm]	800
Polychromatic factor:	1.000
1 st reading time [min:sec]	5:00
Last reading time [min:sec]	10:00
Reaction way:	Increasing
Linear Kinetics	
Linearity: Maximum deviation [%]	
Fixed Time Kinetics	
Endpoint	
Prozone Limit [%]	

Reagents	
Decimals	3
Units	g/dL

Diluent System water Hemolysis: Agent [μL] NET(R951) 200 Cleaner CLN A (R900) Sample [μL] 10 Technical limits HbA1c [mmol/mol]: Concentration technical limits-Lower 0.3 Concentration technical limits-Upper 2.0 SERUM Normal volume [μL] 25 Normal volume [μL] 25 Below normal volume [μL] 25 Below normal dilution (factor) 1 Above normal volume [μL] 25 Normal dilution (factor) 1 URIN 25 Normal dilution (factor) 1 Below normal dilution (factor) 1 Below normal dilution (factor) 1 Below normal dilution (factor) 1 PLASMA 1 Normal volume [μL] 25 Normal volume [μL] 25 Below normal dilution (factor) 1 Below normal dilution (factor) 1 Above normal dilution (factor) 1 Normal dilution (factor) 1	Sample	
Hemolysis: Agent [µL]		System water
Agent [μL]		
Cleaner CLN A (R900) Sample [µL] 10 Technical limits 10 Concentration technical limits-Lower 0.3 Concentration technical limits-Upper 2.0 SERUM 25 Normal volume [µL] 25 Normal dilution (factor) 1 Below normal volume [µL] 25 Below normal volume [µL] 25 Above normal dilution (factor) 1 URIN 25 Normal dilution (factor) 1 Below normal volume [µL] 25 Normal dilution (factor) 1 Below normal dilution (factor) 1 Above normal dilution (factor) 1 PLASMA 1 Normal volume [µL] 25 Normal dilution (factor) 1 Below normal volume [µL] 25 Normal dilution (factor) 1 Above normal dilution (factor) 1 Above normal dilution (factor) 1 Normal volume [µL] 25 Normal dilution (factor) 1 <td></td> <td>NET(R951) 200</td>		NET(R951) 200
Sample [µL]		
Concentration technical limits-Lower 0.3	Sample [µL]	
Concentration technical limits-Lower 0.3 Concentration technical limits-Upper 2.0 SERUM 25 Normal volume [μL] 25 Normal dilution (factor) 1 Below normal volume [μL] 25 Below normal dilution (factor) 1 Above normal volume [μL] 25 Normal volume [μL] 25 Normal dilution (factor) 1 Below normal volume [μL] 25 Below normal dilution (factor) 1 Above normal dilution (factor) 1 PLASMA 1 Normal volume [μL] 25 Normal volume [μL] 25 Normal dilution (factor) 1 Below normal volume [μL] 25 Below normal dilution (factor) 1 Above normal dilution (factor) 1 Above normal dilution (factor) 1 Delow normal volume [μL] 25 Normal dilution (factor) 1 Below normal dilution (factor) 1 Below normal dilution (factor) 1 <		
Concentration technical limits-Upper SERUM	Composition to the signal limits 1 access	
SERUM		
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Normal dilution (factor)		05
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Below normal dilution (factor)		-
Above normal volume [µL] 25		_
Above normal dilution (factor) 1		
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Normal dilution (factor)	-	
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Below normal dilution (factor)		
Above normal volume [µL] 25 Above normal dilution (factor) 1 PLASMA 25 Normal volume [µL] 25 Below normal volume [µL] 25 Below normal dilution (factor) 1 Above normal volume [µL] 25 Above normal dilution (factor) 1 Above normal dilution (factor) 1 CSF Variable Variabl		
Above normal dilution (factor) 1		
PLASMA		
Normal volume [μL] 25 Normal dilution (factor) 1 Below normal volume [μL] 25 Below normal dilution (factor) 1 Above normal volume [μL] 25 Above normal dilution (factor) 1 CSF Normal volume [μL] 25 Normal dilution (factor) 1 Below normal volume [μL] 25 Below normal volume [μL] 25 Above normal dilution (factor) 1 Above normal dilution (factor) 1 Whole blood Normal volume [μL] 25 Normal dilution (factor) 1 Below normal dilution (factor) 1 Below normal dilution (factor) 1 Below normal dilution (factor) 1 Above normal volume [μL] 25 Selow normal dilution (factor) 1 Above normal volume [μL] 25 Selow normal volume [μL] 25 Sel		1
Normal dilution (factor) 1	_	
Below normal volume [µL] 25		
Below normal dilution (factor) 1		
Above normal volume [µL] 25 Above normal dilution (factor) 1 CSF Normal volume [µL] 25 Normal dilution (factor) 1 Below normal volume [µL] 25 Below normal dilution (factor) 1 Above normal volume [µL] 25 Above normal dilution (factor) 1 Whole blood 25 Normal volume [µL] 25 Normal dilution (factor) 1 Below normal volume [µL] 25 Normal dilution (factor) 1 Below normal volume [µL] 25 Below normal volume [µL] 25 Below normal dilution (factor) 1 Above normal volume [µL] 25		
Above normal dilution (factor) 1		
CSF		_
Normal volume [µL] 25 Normal dilution (factor) 1 Below normal volume [µL] 25 Below normal dilution (factor) 1 Above normal volume [µL] 25 Above normal dilution (factor) 1 Whole blood Vormal volume [µL] 25 Normal volume [µL] 25 Normal dilution (factor) 1 Below normal volume [µL] 25 Below normal dilution (factor) 1 Above normal volume [µL] 25		1
Normal dilution (factor) 1		
Below normal volume[µL] 25		_
Below normal dilution (factor) 1		
Above normal volume [µL] 25 Above normal dilution (factor) 1 Whole blood Normal volume [µL] 25 Normal dilution (factor) 1 Below normal volume[µL] 25 Below normal dilution (factor) 1 Above normal volume [µL] 25	Below normal volume[µL]	25
Above normal dilution (factor) 1	Below normal dilution (factor)	1
Whole blood 25 Normal volume [µL] 25 Normal dilution (factor) 1 Below normal volume[µL] 25 Below normal dilution (factor) 1 Above normal volume [µL] 25		25
Normal volume [μL] 25 Normal dilution (factor) 1 Below normal volume[μL] 25 Below normal dilution (factor) 1 Above normal volume [μL] 25	Above normal dilution (factor)	1
Normal dilution (factor) 1 Below normal volume[μL] 25 Below normal dilution (factor) 1 Above normal volume [μL] 25	Whole blood	
Below normal volume[μL] 25 Below normal dilution (factor) 1 Above normal volume [μL] 25	Normal volume [µL]	
Below normal dilution (factor) 1 Above normal volume [µL] 25	Normal dilution (factor)	
Above normal volume [µL] 25	Below normal volume[µL]	
	Below normal dilution (factor)	1
	Above normal volume [µL]	25
		1

Results		
1		
mmol/mol		
0.000		
1.000		

D		
Range		
Gender	All	
Age		
SERUM		
URINE		
PLASMA		
CSF		
Whole blood	>=20 <=42	
Gender		
Age		
SERUM		
URINE		
PLASMA		
CSF		
Whole blood		

Contaminants	
Contaminant 1	
Wash with	
Cycle	
Volume [µL]	
Contaminant 2	
Wash with	
Cycle	
Volume [µL]	
Contaminant 3	
Wash with	
Cycle	
Volume [µL]	

Calibrators details				
Calibrator list		Concentration		
Cal. 1/Blank		*		
Cal. 2		*		
Cal. 3				
Cal. 4				
Cal. 5				
Cal. 6				
	Max delta abs.			
Cal. 1	0.005			
Cal. 2	0.015			
Cal. 3				
Cal. 4				
Cal. 5				
Cal. 6				
Drift limit [%]	0.8	·		
Calculations				
Model		X		
Degree		1		

^{*} Enter calibrator value

Calculation of HbA1c /Hb ratio is done automatically.

For values in percent according to DCCT/NGSP please enter 2.15 offset and a slope of 0.0915.