

# 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:[ $\mu$ L]	150
Blank reagent	Yes
Sensitive to light	Yes
Second reagent:[ $\mu$ L]	
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 [ $\mu$ L]	NET(R951) 200
Cleaner	CLN A (R900)
Sample [ $\mu$ L]	10
Technical limits	HbA1c [mmol/mol]: 20 -150
Concentration technical limits-Lower	6
Concentration technical limits-Upper	30
SERUM	
Normal volume [ $\mu$ L]	25
Normal dilution (factor)	1
Below normal volume [ $\mu$ L]	25
Below normal dilution (factor)	1
Above normal volume [ $\mu$ L]	25
Above normal dilution (factor)	1
URIN	
Normal volume [ $\mu$ L]	25
Normal dilution (factor)	1
Below normal volume [ $\mu$ L]	25
Below normal dilution (factor)	1
Above normal volume [ $\mu$ L]	25
Above normal dilution (factor)	1
PLASMA	
Normal volume [ $\mu$ L]	25
Normal dilution (factor)	1
Below normal volume [ $\mu$ L]	25
Below normal dilution (factor)	1
Above normal volume [ $\mu$ L]	25
Above normal dilution (factor)	1
CSF	
Normal volume [ $\mu$ L]	25
Normal dilution (factor)	1
Below normal volume [ $\mu$ L]	25
Below normal dilution (factor)	1
Above normal volume [ $\mu$ L]	25
Above normal dilution (factor)	1
Whole blood	
Normal volume [ $\mu$ L]	25
Normal dilution (factor)	1
Below normal volume [ $\mu$ L]	25
Below normal dilution (factor)	1
Above normal volume [ $\mu$ L]	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 [ $\mu$ L]	
Contaminant 2	
Wash with	
Cycle	
Volume [ $\mu$ L]	
Contaminant 3	
Wash with	
Cycle	
Volume [ $\mu$ L]	

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:[ $\mu$ L]	
Blank reagent	
Sensitive to light	
Second reagent:[ $\mu$ L]	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

Sample	
Diluent	System water
Hemolysis:	
Agent [ $\mu$ L]	NET(R951) 200
Cleaner	CLN A (R900)
Sample [ $\mu$ L]	10
Technical limits	HbA1c [mmol/mol]: 20 -150
Concentration technical limits-Lower	0.3
Concentration technical limits-Upper	2.0
SERUM	
Normal volume [ $\mu$ L]	25
Normal dilution (factor)	1
Below normal volume [ $\mu$ L]	25
Below normal dilution (factor)	1
Above normal volume [ $\mu$ L]	25
Above normal dilution (factor)	1
URIN	
Normal volume [ $\mu$ L]	25
Normal dilution (factor)	1
Below normal volume [ $\mu$ L]	25
Below normal dilution (factor)	1
Above normal volume [ $\mu$ L]	25
Above normal dilution (factor)	1
PLASMA	
Normal volume [ $\mu$ L]	25
Normal dilution (factor)	1
Below normal volume [ $\mu$ L]	25
Below normal dilution (factor)	1
Above normal volume [ $\mu$ L]	25
Above normal dilution (factor)	1
CSF	
Normal volume [ $\mu$ L]	25
Normal dilution (factor)	1
Below normal volume [ $\mu$ L]	25
Below normal dilution (factor)	1
Above normal volume [ $\mu$ L]	25
Above normal dilution (factor)	1
Whole blood	
Normal volume [ $\mu$ L]	25
Normal dilution (factor)	1
Below normal volume [ $\mu$ L]	25
Below normal dilution (factor)	1
Above normal volume [ $\mu$ L]	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 [ $\mu$ L]	
Contaminant 2	
Wash with	
Cycle	
Volume [ $\mu$ L]	
Contaminant 3	
Wash with	
Cycle	
Volume [ $\mu$ L]	

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.