IFCC International Federation of Clinical Chemistry and Laboratory Medicine
Network on Standardization of HbA1c

Summary Analytical Performance

Organisation	**ARKRAY, Inc.**
Instrument	**ADAMS A1c HA-8190V Variant Mode**
Date Of Certification	01 January 2023

Bias	at 30 mmol/mol	1.8	mmol/mol
	at 50 mmol/mol	-0.1	mmol/mol
	at 70 mmol/mol	-2.0	mmol/mol
Imprecision	CV	1.2	%
Linearity	r	0.9992	
Total Error	TE	1.3	mmol/mol

Analytical Performance Individual Samples

Sample ID	Target Value	Your Result	Your Bias
01	51.2	49.9	-1.3
02	73.2	71.3	-1.9
03	38.6	39.5	0.9
04	59.0	58.7	-0.3
05	48.4	48.3	-0.1
06	83.9	80.1	-3.8
07	56.7	57.5	0.8
08	68.3	67.0	-1.3
09	31.2	31.9	0.7
10	54.3	55.3	1.0
11	42.1	43.1	1.0
12	94.6	90.1	-4.5
13	51.2	50.2	-1.0
14	98.6	94.1	-4.5
15	38.6	39.4	0.8
16	77.8	74.6	-3.2
17	63.7	62.8	-0.9
18	35.0	35.6	0.6
19	90.1	85.0	-5.1
20	52.7	52.7	0.0
21	59.0	58.3	-0.7
22	68.3	66.7	-1.6
23	45.8	45.8	0.0
24	77.8	74.6	-3.2

* Only if applicable: Blunder, excluded from the calculations

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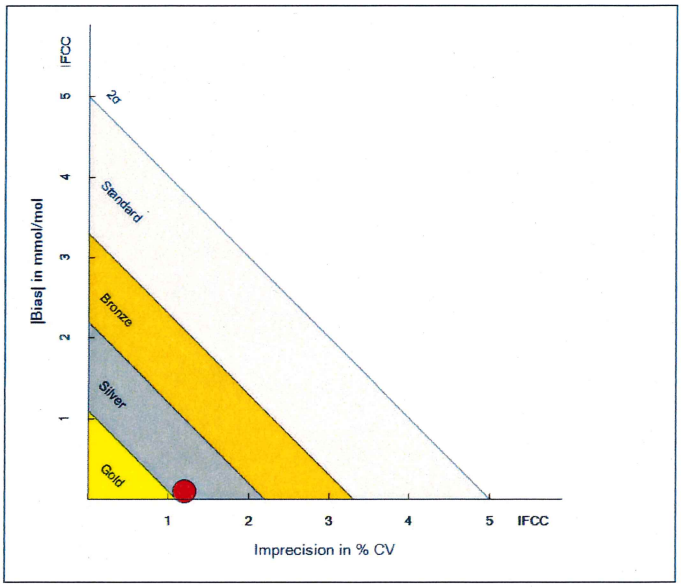
Certificate

ARKRAY, Inc.

using

ADAMS A1c HA-8190V Variant Mode

participated in the IFCC HbA1c Certification Programme to demonstrate traceability to the IFCC Reference Measurement Procedure and performed as shown below.



Total Error =	1.3	mmol/mol
Bias =	-0.1	mmol/mol
Imprecision =	1.2	%
Grade =	Silver	

Criteria derived from the IFCC model for Quality Targets HbA1c (Clin Chem 2015;61 : 752-59)

Date of Certification : 01 January 2023

Date of Expiry : 01 January 2024

IFCC Network Coordinator
C. Siebelder