

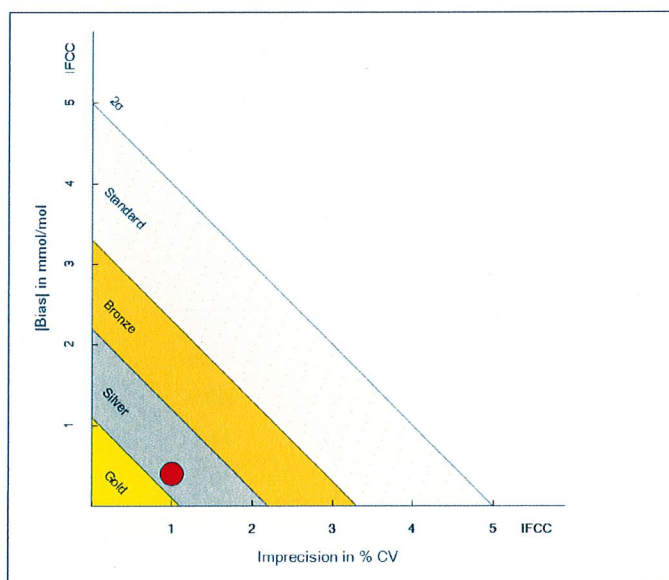
Certificate

EKF Diagnostic GmbH

using

Quo-Test HbA1c

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



| | | |
|---------------|--------|----------|
| Total Error = | 1.4 | mmol/mol |
| Bias = | -0.4 | mmol/mol |
| Imprecision = | 1.0 | % |
| Grade = | Silver | |

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

Date of Certification : 01 June 2020

Date of Expiry : 01 June 2021

IFCC Network Coordinator
Dr. C.W. Weykamp

Summary Analytical Performance

| | |
|------------------------------|---------------------|
| Organisation | EKF Diagnostic GmbH |
| Instrument | Quo-Test HbA1c |
| Date Of Certification | 01 June 2020 |

| | | | |
|--------------------|----------------|--------|----------|
| Bias | at 30 mmol/mol | -0.6 | mmol/mol |
| | at 50 mmol/mol | -0.4 | mmol/mol |
| | at 70 mmol/mol | -0.1 | mmol/mol |
| Imprecision | CV | 1.0 | % |
| Linearity | r | 0.9996 | |
| Total Error | TE | 1.4 | mmol/mol |

Analytical Performance Individual Samples

| Sample ID | Target Value | Your Result | Your Bias |
|-----------|--------------|-------------|-----------|
| 01 | 61.0 | 59.6 | -1.4 |
| 02 | 56.0 | 55.2 | -0.8 |
| 03 | 97.1 | 97.8 | 0.7 |
| 04 | 58.6 | 58.2 | -0.4 |
| 05 | 86.5 | 85.8 | -0.7 |
| 06 | 43.5 | 42.6 | -0.9 |
| 07 | 30.8 | 30.9 | 0.1 |
| 08 | 71.3 | 71.0 | -0.3 |
| 09 | 40.7 | 39.9 | -0.8 |
| 10 | 50.6 | 50.8 | 0.2 |
| 11 | 48.4 | 49.0 | 0.6 |
| 12 | 77.0 | 77.1 | 0.1 |
| 13 | 50.6 | 50.8 | 0.2 |
| 14 | 53.1 | 53.4 | 0.3 |
| 15 | 90.9 | 90.5 | -0.4 |
| 16 | 66.1 | 65.6 | -0.5 |
| 17 | 56.0 | 55.2 | -0.8 |
| 18 | 35.9 | 35.0 | -0.9 |
| 19 | 46.2 | 46.5 | 0.3 |
| 20 | 102.7 | 103.8 | 1.1 |
| 21 | 40.7 | 39.5 | -1.2 |
| 22 | 61.0 | 60.7 | -0.3 |
| 23 | 82.3 | 82.2 | -0.1 |
| 24 | 71.3 | 71.6 | 0.3 |

* Only if applicable: Blunder, excluded from the calculations