

### Exceptions

✓ None at this time.

Legend: ✓ No Warnings    📄 Missing Result    📅 Late Results    ⚠  $2.0 \leq |Z\text{-score}| < 3.0$     ✖  $|Z\text{-score}| \geq 3.0$     \* Amended Result (per participant's request)

### EQAS News

RMV = Reference Method Value Hemoglobin A1c:  
Sample 12 (NGSP - %) – 9.7 Sample 12 (IFCC – mmol/mol) – 82.4

\*Important Notice\* Please refer to QCNet → EQAS → Unity/EQAS Bulletin for important coding and instrument specific information. The bulletin is published on a monthly basis and should be viewed regularly

IMPORTANT: Place your order for the next cycle now by contacting your Bio-Rad Representative.



Bio-Rad Laboratories is accredited to ISO/IEC 17043:2010.  
Refer to the User Guide for additional information on the EQAS Program,  
EQAS reports, their interpretation, statistics, and contact details.

### Customer Information

**Lab: 008323**

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**Lab 008323**DR DANGS LAB PVT LTD  
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INDIA**Configuration Report  
Hemoglobin Program****Cycle 10**Dec 2012 - Dec 2013  
Sample No: 12  
Sample Date: 20 Nov 13  
Lot No: 241000**Selected Options:**Data Input: Online  
Report Receipt: QCNet  
Subgroup Number: None**Instrument**

2749 - Bio-Rad D-10

| Analyte   | Method   | Reagent                            | Unit |
|-----------|----------|------------------------------------|------|
| 289 A1C-N | 022 HPLC | 0662 Bio-Rad D-10 HbA1c (220-0101) | 93 % |

**Instrument**

0020 - Bio-Rad VARIANT

| Analyte | Method   | Reagent   | Unit |
|---------|----------|---|------|
| 282 A2  | 022 HPLC | 0688 Bio-Rad VARIANT Beta-Thal Short (270-0002) | 93 % |



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Sample Summary Report  
Hemoglobin Program

Cycle 10

Dec 2012 – Dec 2013  
Sample No: 12  
Sample Date: 20 Nov 13  
Lot No: 241000



Instrument: Bio-Rad D-10

| Analyte                 | Unit | Result | Mean | Z-score | RMZ  | Comparator |
|-------------------------|------|--------|------|---------|------|------------|
| ✓ Hemoglobin A1c (NGSP) | %    | 10.2   | 9.97 | 1.40    | 0.55 | Peer       |

Instrument: Bio-Rad VARIANT

| Analyte         | Unit | Result | Mean | Z-score | RMZ   | Comparator |
|-----------------|------|--------|------|---------|-------|------------|
| ✓ Hemoglobin A2 | %    | 2.2    | 2.24 | -0.31   | -0.48 | Method     |

Legend: ✓ No Warnings    📄 Missing Result    ⓘ Late Results    ⚠  $2.0 \leq |Z\text{-score}| < 3.0$     ✖  $|Z\text{-score}| \geq 3.0$   
 \* Amended Result (per participant's request)    ⚠ Non-robust determination of Mean and SD

Problem Classification: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Corrective Action: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Reviewed by: \_\_\_\_\_

Date: \_\_\_\_\_



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### Hemoglobin A1c (NGSP) Report Hemoglobin Program

Cycle 10

Dec 2012 - Dec 2013  
Sample No: 12  
Sample Date: 20 Nov 13  
Lot No: 241000



Bio-Rad D-10

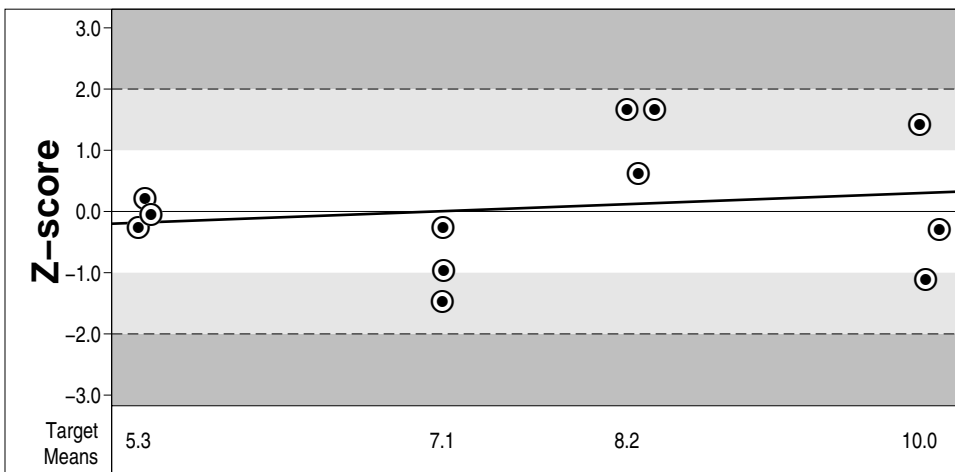
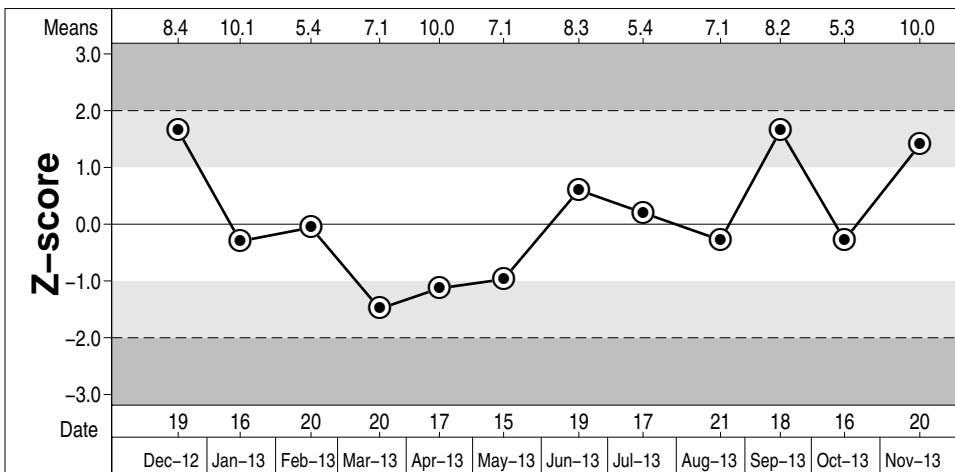
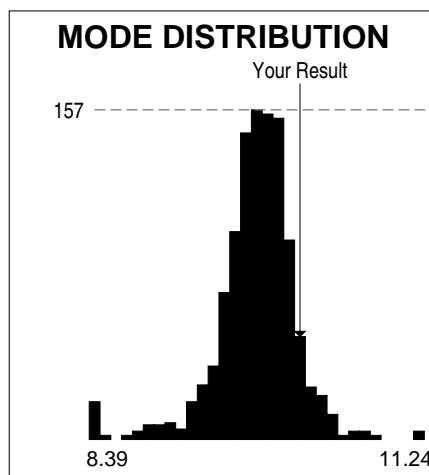
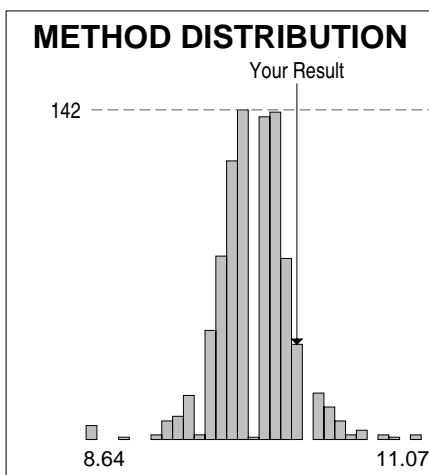
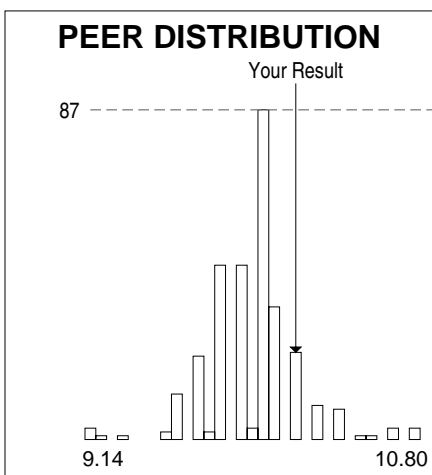
Your Result  
**10.2 %**

- ◆ All Results
- Your Method
- Your Peer

#### Comparative Statistics

|             | N    | Mean | SD    | CV   | U <sup>1</sup> | Z-score | RMZ  | %    |
|-------------|------|------|-------|------|----------------|---------|------|------|
| All Results | 1130 | 9.82 | 0.285 | 2.90 | 0.021          | 1.34    | 0.66 | 3.90 |
| Your Method | 889  | 9.85 | 0.242 | 2.46 | 0.020          | 1.43    | 0.72 | 3.52 |
| Your Peer   | 308  | 9.97 | 0.166 | 1.67 | 0.024          | 1.40    | 0.55 | 2.33 |

#### Your Deviation



|   | N   | Mean | CV   | U <sup>1</sup> |
|---|-----|------|------|----------------|
| Bio-Rad D-10 HPLC                             |     |      |      |                |
| Bio-Rad D-10 HbA1c (220-0101)                 | 308 | 9.97 | 1.67 | 0.024          |
| Bio-Rad D-10 HPLC Dedicated Reagent           | 192 | 9.91 | 1.80 | 0.032          |
| Bio-Rad VARIANT II TURBO HPLC                 |     |      |      |                |
| Bio-Rad VARIANTII TURBO A1c 2.0 (270-2455/EX) | 73  | 9.69 | 1.74 | 0.049          |
| Bio-Rad D-10 HPLC                             |     |      |      |                |
| Bio-Rad D-10 Dual HbA1c/A2/F (220-0201)       | 52  | 9.80 | 2.94 | 0.100          |
| Bio-Rad VARIANT II HPLC                       |     |      |      |                |
| Bio-Rad VARIANT II HbA1c (270-2101 NU)        | 47  | 9.75 | 1.92 | 0.068          |
| Tosoh G7/G8 Series HPLC                       |     |      |      |                |
| Dedicated Reagent                             | 39  | 9.77 | 1.73 | 0.068          |
| Bio-Rad VARIANT II HPLC                       |     |      |      |                |
| Bio-Rad VARIANT II Dual HbA1c/A2/F (270-2500) | 38  | 9.90 | 2.35 | 0.094          |
| Roche cobas INTEGRA Immunturbidimetric        |     |      |      |                |
| Dedicated Reagent                             | 33  | 9.38 | 3.47 | 0.142          |
| Bio-Rad VARIANT II TURBO HPLC                 |     |      |      |                |
| Dedicated Reagent                             | 31  | 9.67 | 1.29 | 0.056          |

**Hemoglobin A1c (NGSP) 10 : 12**  
CYCLE SAMPLE



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Hemoglobin A2 Report  
Hemoglobin Program

Cycle 10

Dec 2012 - Dec 2013

Sample No: 12

Sample Date: 20 Nov 13

Lot No: 241000



Bio-Rad VARIANT

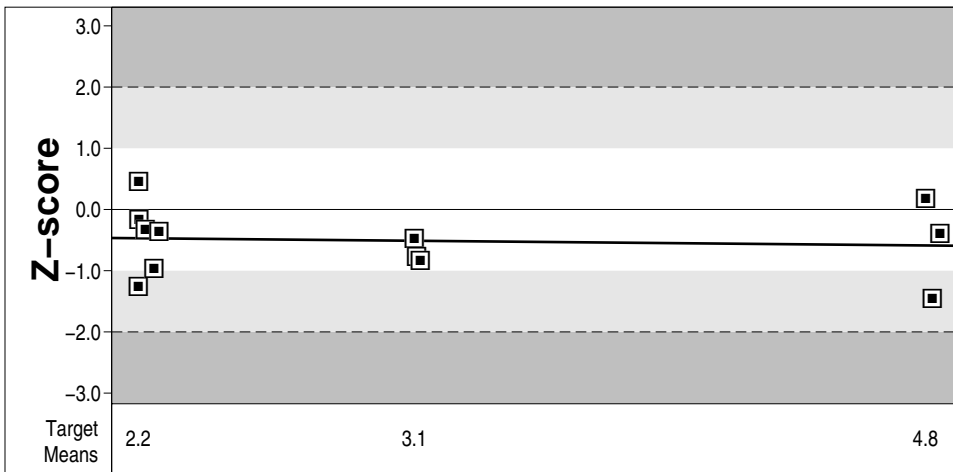
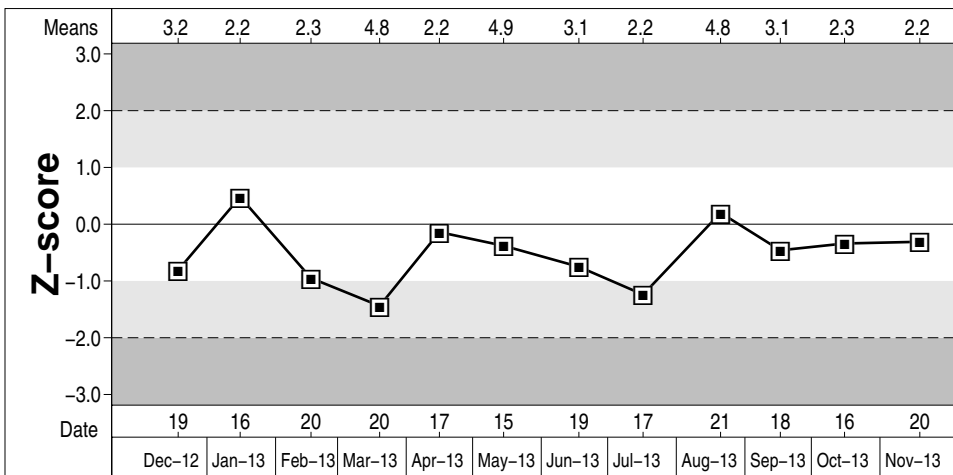
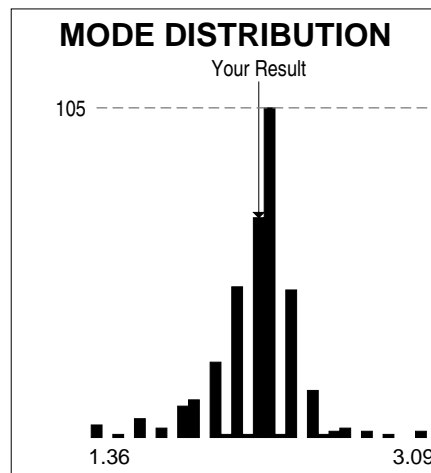
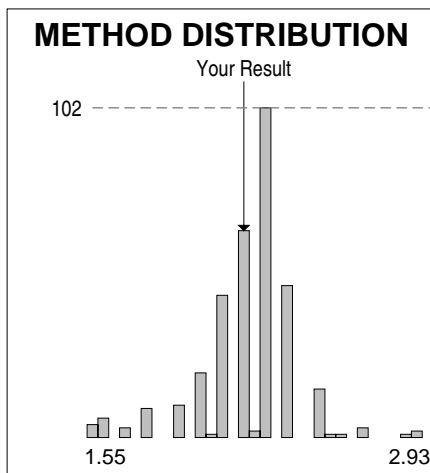
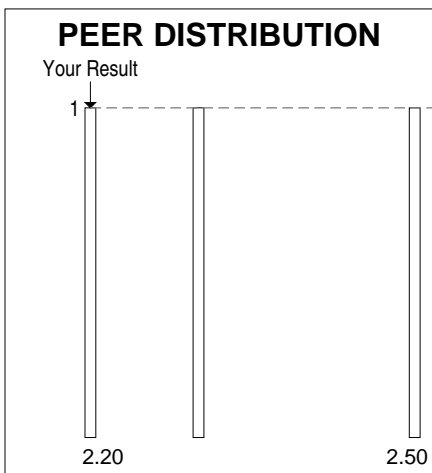
Your Result

2.2 %

Comparative Statistics

|               | N   | Mean | SD    | CV   | U <sup>1</sup> | Z-score | RMZ   | %     |
|---------------|-----|------|-------|------|----------------|---------|-------|-------|
| ◆ All Results | 359 | 2.23 | 0.172 | 7.75 | 0.023          | -0.15   | -0.45 | -1.17 |
| ■ Your Method | 335 | 2.24 | 0.138 | 6.15 | 0.019          | -0.31   | -0.48 | -1.93 |
| ● Your Peer   | 3   | 2.33 | 0.173 | 7.42 | 0.250          | -0.77   | -0.71 | -5.71 |

Your Deviation



|  | N   | Mean | CV   | U <sup>1</sup> |
|--|-----|------|------|----------------|
| Bio-Rad VARIANT II HPLC                          |     |      |      |                |
| Bio-Rad VARIANT II Beta-Thal Short (270-2103/... | 121 | 2.28 | 5.16 | 0.027          |
| Bio-Rad D-10 HPLC                                |     |      |      |                |
| Bio-Rad D-10 Dual HbA1c/A2/F (220-0201)          | 55  | 2.04 | 14.7 | 0.101          |
| Bio-Rad VARIANT II HPLC                          |     |      |      |                |
| Bio-Rad VARIANT II Dual HbA1c/A2/F (270-2500)    | 54  | 2.17 | 6.66 | 0.049          |
| Bio-Rad VARIANT II HPLC                          |     |      |      |                |
| Dedicated Reagent                                | 32  | 2.31 | 4.50 | 0.046          |
| Bio-Rad VARIANT HPLC                             |     |      |      |                |
| Dedicated Reagent                                | 17  | 2.33 | 6.16 | 0.087          |
| Bio-Rad D-10 HPLC                                |     |      |      |                |
| Dedicated Reagent                                | 15  | 2.18 | 6.10 | 0.086          |
| Tosoh G7/G8 Series HPLC                          |     |      |      |                |
| Dedicated Reagent                                | 10  | 2.07 | 5.38 | 0.088          |
| Sebia Electrophoresis                            |     |      |      |                |
| Dedicated Reagent                                | 9   | 2.20 | 7.92 | 0.145          |
| Bio-Rad VARIANT HPLC                             |     |      |      |                |
| Bio-Rad VARIANT HbA1c/HbA2 Dual (270-0850)       | 5   | 2.32 | 4.09 | 0.106          |

**Hemoglobin A2** CYCLE **10** : **12** SAMPLE



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Data on File Report  
Hemoglobin Program

Cycle 10

Dec 2012 – Dec 2013  
Sample No: 12  
Sample Date: 20 Nov 13  
Lot No: 241000



| Analyte Unit | Sample Numbers |   |   |   |   |   |   |   |   |    |    |    |
|--------------|----------------|---|---|---|---|---|---|---|---|----|----|----|
|              | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

Instrument: Bio-Rad D-10

|       |   |     |    |     |     |     |   |      |     |     |     |     |      |
|-------|---|-----|----|-----|-----|-----|---|------|-----|-----|-----|-----|------|
| A1C-N | % | 8.7 | 10 | 5.4 | 6.9 | 9.8 | 7 | 8.4* | 5.4 | 7.1 | 8.5 | 5.3 | 10.2 |
|-------|---|-----|----|-----|-----|-----|---|------|-----|-----|-----|-----|------|

Instrument: Bio-Rad VARIANT

|    |   |     |     |   |     |     |     |     |   |     |   |     |     |
|----|---|-----|-----|---|-----|-----|-----|-----|---|-----|---|-----|-----|
| A2 | % | 2.9 | 2.3 | 2 | 4.2 | 2.2 | 4.7 | 2.9 | 2 | 4.9 | 3 | 2.2 | 2.2 |
|----|---|-----|-----|---|-----|-----|-----|-----|---|-----|---|-----|-----|

Legend: No Warnings Late Results 2.0 ≤ |Z-score| < 3.0 |Z-score| ≥ 3.0 – No Result

\* Amended Result (per participant's request)