### HbA1c Reportable in Patient Sample with HbD Trait

**Bio-Rad CDM System**

**Comments:**

- **Sex:**
- **Physician:**
- **Name:**
- **Patient ID:**
- **Sample ID:** AD

**Patient Data**

<table>
<thead>
<tr>
<th>HbA1c (NGSP)</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.2*</td>
<td>78247</td>
</tr>
</tbody>
</table>

#### Peak Name     NGSP %                Area % Retention Time (min) Peak Area

<table>
<thead>
<tr>
<th>Peak Name</th>
<th>NGSP %</th>
<th>Area %</th>
<th>Retention Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>A0</td>
<td>47.1</td>
<td>1.75</td>
<td>1345160</td>
<td></td>
</tr>
<tr>
<td>P4</td>
<td>1.1</td>
<td>1.61</td>
<td>31547</td>
<td></td>
</tr>
<tr>
<td>P3</td>
<td>1.8</td>
<td>1.53</td>
<td>82416</td>
<td></td>
</tr>
</tbody>
</table>

*Values outside of expected range

#### Result:

**HbA1c** (NGSP) = 7.2%

**E,D**

- A1b — 1.8 0.30 52834
- A1a — 0.3 0.11 7427
- A1c 7.2* — 0.96 78247
- LA1c — 1.2 0.77 32890

**Total Area:** 2,857,028

**Quality Results**

- **E,D**
  - **P4**
  - **P3**
  - **A1c**
  - **LA1c**

### Ordering Information

- **VARIANT™ II Hemoglobin Testing System**
  - **Catalog No. Description**
  - **270-2000** VARIANT™ II Hemoglobin Testing System
  - **270-2101NU** VARIANT™ II Hemoglobin A1c Linearity Set, (1 each of 4 levels)
  - **270-2101** Hemoglobin A1c Linearity Set, (1 each of 4 levels)
  - **BC80 EQAS** Hemoglobin A1c Linearity Set, (1 each of 4 levels)
  - **196-2002** Hemoglobin Capillary Collection System (HCCS) 100 tests

### Now with both IFCC (mmol/mol) and NGSP (%) HbA1c, HbA1c

- **Uncompromising Performance**
- **VARIANT™ II System combines superior HbA1c results, exceptional ease of use and powerful data management in one powerful automated solution offering HbA1c, β-thalassemia and dual assays.

**Diagnostics Group**

- **VARIANT™ II Hemoglobin Testing System**
  - **270-2000** VARIANT™ II Hemoglobin Testing System
  - **270-2101NU** VARIANT™ II Hemoglobin A1c Linearity Set, (1 each of 4 levels)
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  - **196-2002** Hemoglobin Capillary Collection System (HCCS) 100 tests

- **Unparalleled Support**
- **Bio-Rad's world class service and support team is backed by our decades-long leadership in the field of HbA1c testing. The VARIANT™ II System represents our continued commitment to helping you be the difference for the patients who count on you.

**Bio-Rad A1c • Be the difference**

**For further information, please contact the Bio-Rad office nearest you or visit our website at www.bio-rad.com/diagnostics**
Your patients count on you. You can count on the VARIANT™ II System.

Exceptional Ease of Use
• Fully automated operation saves time and labor
• Built-in quality control management simplifies quality assurance compliance
• Reagents supplied in convenient kit format
• Readily viewable reagent levels in transparent buffer bottles
• Primary tube sampling with cap piercing eliminates manual sample handling
• Positive sample tracking eliminates sample misidentification
• STAT capability
• Batch sampling and continuous feeding offer flexibility in workflow
• Easy-to-use online tools for QC, instrument support, remote education and communication services
• Hemoglobin Capillary Collection System (HCCS) allows remote fingerstick sample collection to support outreach programs

Superior HbA1c Accuracy
Exceptional Ease of Use
Powerful Data Management

Every patient deserves quality results. You deserve ease of use.
Bio-Rad CDM System

NGSP certified and traceable to the Diabetes Control and Complications Trial (DCCT)

• Anchored to the IFCC Reference Method

HbA1c accuracy in the presence of carbamylated hemoglobin (CHb) and labile A1C

Superior HbA1c reportable in patient sample with HbD trait

Bio-Rad A1c · Be the difference

VARIANT® II Hemoglobin Testing System

Unparalleled Support
Bio-Rad’s world class service and support team is backed by our decades long leadership in the field of HbA1c testing. The VARIANT® II System represents our continued commitment to helping you be the difference for the patients who count on you.

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Ordering Information

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<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Ordering Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>270-2250</td>
<td>VARIANT II Hemoglobin Testing System</td>
<td>1 unit, 1000 tests</td>
</tr>
<tr>
<td>270-2274</td>
<td>VARIANT II Hemoglobin A1c Program Reorder Kit</td>
<td>1 unit, 1000 tests</td>
</tr>
<tr>
<td>760</td>
<td>Lyphochek® Diabetes Control Blanks (5 each of 2 levels)</td>
<td>6 x 0.5 mL</td>
</tr>
<tr>
<td>120</td>
<td>Lyphochek® HbA1c Linearity Set (1 each of 4 levels)</td>
<td>4 x 0.5 mL</td>
</tr>
<tr>
<td>82030</td>
<td>EQC9 Hemoglobin Program (3 analytes)</td>
<td>13 x 0.5 mL</td>
</tr>
<tr>
<td>138-2052</td>
<td>Hemoglobin Capillary Collection System (HCCS)</td>
<td>100 tests</td>
</tr>
</tbody>
</table>

HbA1c reportable in patient sample with HbD trait

HbA1c reportable in patient sample with CHb and LA1c

Now with both IFCC (mmol/mol) and NGSP (%) HbA1c assays

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Your patients count on you. You can count on the VARIANT™ II System.

Exceptional Ease of Use
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• Built-in quality control management simplifies quality assurance compliance
• Reagents supplied in convenient kit format
• Readily viewable reagent levels in transparent buffer bottles
• Primary tube sampling with cap piercing eliminates manual sample handling
• Positive sample tracking eliminates sample misidentification
• STAT capability
• Batch sampling and continuous feeding offer flexibility in workflow
• Easy-to-use online tools for QC, instrument support, remote education and communication services

Superior HbA1c Accuracy

Powerful Data Management
• Results and chromatograms captured and archived by Bio-Rad’s Clinical Data Management™ (CDM) software
• CDM interfaces with your laboratory information system for optimal data management
• Advanced diagnostics, user alerts and prompts reduce costs and training time

VARIANT™ II Hemoglobin Testing System
Quality patient care is at the heart of what you do. And VARIANT™II System enables you to be the difference for the patients who count on you most—delivering the best chemistry on the market for exceptionally accurate results.

The VARIANT™II Hemoglobin Testing System is flexible, efficient and uses gold-standard, high performance liquid chromatography (HPLC) to deliver exceptionally precise HbA1c values in the presence of hemoglobin variants and other interfering substances.

Every patient deserves quality results. You deserve ease of use.
VARIANT® II Hemoglobin Testing System

Unparalleled Support
Bio-Rad’s world-class service and support team is backed by our decades-long leadership in the field of HbA
c testing. The VARIANT® II System represents our continued commitment to helping you be the difference for the patients who count on you.

Uncompromising Performance
VARIANT® II System combines superior HbA
c results, exceptional ease of use and powerful data
management in one powerful automated solution offering HbA
c, HbA
c, and HbA
c in the field of HbA
c.

Superior HbA
c Accuracy
• NGSP certified and traceable to the Diabetes Control and Complications Trial (DCCT)
• Anchored to the IFCC Reference Method
• A1C accuracy in the presence of carbamylated hemoglobin (CHb) and labile A1C
• A1C accuracy in the presence of hemoglobins D, E, S or C

VARIANT II System combines superior HbA
c results, exceptional ease of use and powerful data management in one powerful automated solution offering HbA
c, HbA
c, and HbA
c in the field of HbA
c.

Quality Results
• A1c accuracy in the presence of carbamylated hemoglobin (CHb) and labile A1C
• A1c accuracy in the presence of hemoglobins D, E, S or C

VARIANT® II Hemoglobin Testing System For HbA
c

Ordering Information
Catalog No. Description
270-2000 VARIANT® II Hemoglobin Testing System 1 unit
270-2101U VARIANT® II Hemoglobin A1c Program Border Pack 1000 tests
740 Lyphochek Diabetes Control, Bilevel (3 each of 2 levels) 6 x 0.5 mL
741 Lyphochek® HbA
c Linearity Set, (1 each of 4 levels) 4 x 0.5 mL
8280 EQAS-Hemoglobin Program (5 analytes) 12 x 0.5 mL
190-2453 Hemoglobin Cytolytic Collection System (4 sets) 100 tests

VARIANT® II System combines superior HbA
c results, exceptional ease of use and powerful data management in one powerful automated solution offering HbA
c, HbA
c, and HbA
c in the field of HbA
c.

Bio-Rad A1c • Be the difference

Now with both IFCC (mmol/mol) and NGSP (%) HbA
c chilled

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