### Variant II Turbo Hemoglobin Testing System

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

### Efficiency and Accuracy
- Rapid, fully-automated HPLC precision, and powerful software deliver quality results in half the time.

### Ordering Information
- **Diabetes Control, Level 1**
  - 6 x 1 mL
- **Diabetes Control, Level 3**
  - 12 x 0.5 mL
- **Linearity Set (1 each of 4 levels)**
  - 4 x 0.5 mL
- **BC80 EQAS Hemoglobin Program (3 analytes)**
  - 1 unit
- **II Turbo Upgrade Kit**
  - 1 unit
- **II Turbo Hemoglobin A1c®**
  - 1 unit
- **Liquichek®II TURBO Hemoglobin A1c**
  - 12 x 0.5 mL

### Quality Results
- Superior Accuracy
  - Reproducible HbA1c results in the presence of carbamylation (CHb) and labile A1c (LA1c)
  - Excellent HPLC precision
  - NASGP Certified and traceable to Diabetes Control and Complications Trial (JDCCT)
  - Anchored to the IFCC reference method
  - Accurate HbA1c in the presence of CHb up to 26%

### Variants
- **HbA1c**: reportable in the presence of CHb up to 26%
- **A1a**: reportable in the presence of CHb and LA1c
- **A1b**: reportable in the presence of CHb and LA1c

### Diagrams and Images
- Diagrams illustrating the system and test results.

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**Table 1: HbA1c Concentration**

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>A1c Concentration</th>
<th>Area %</th>
<th>Area % Retention Time (min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unknown-1-1280</td>
<td>9.8%</td>
<td>12.5</td>
<td>0.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>17.5</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20.0</td>
<td>5.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.0</td>
<td>7.5</td>
</tr>
</tbody>
</table>

**Table 2: Values outside of expected range**

- **P4**: 1.1 0.889 24695
- **LA1c**: 1.9 0.439 42435
- **F**: 25.2 0.303 573919
- **A1b**: 1.8 0.251 41874
- **A1a**: 5.4 0.190 121924
Hemoglobin Testing
Bio-Rad Laboratories

Bring efficiency and accuracy together for quality patient care

You never forget the people who count on your results—even on your busiest days. We kept that commitment in mind when we developed the VARIANT™ II TURBO Hemoglobin Testing System.

With the ability to process thousands of tests per month, this cutting-edge system lets you be the difference for the people who count on you—in a fraction of the time.

Every patient deserves quality results. You deserve efficiency and accuracy.

Faster
• 97 seconds per sample
• Deliver accurate results in half the time

Efficient
• Fully-automated operation saves time and labor
• Eliminate time-consuming sample prep with primary tube sampling
• Reality in workflow through either continuous or batch sampling
• STAT capability
• Hemoglobin Capillary Collection System (HCCS) allows remote fingerstick sample collection to support outreach programs
• Simplified data management with powerful software
• Reagents supplied in convenient kit format
• Readable reagent levels in transparent buffer bottles
• Easy-to-use tools for QC, instrument support and education

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 TURBO
Hemoglobin Testing System

With so many patients counting on your results each day, delivering the accuracy they need as quickly as possible is a top priority. We designed the VARIANT™ II TURBO System, with your needs—and high standards—in mind.

The VARIANT™ II TURBO System is built for exceptional performance on even your busiest day. This state-of-the-art, fully-automated system combines Bio-Rad’s HPLC precision and variant detection with the rapid throughput you need. Count on the VARIANT™ II TURBO System to deliver quality results at high test volumes—with unprecedented speed, enabling you to be the difference for the many people counting on your results every day.

Faster for demanding workloads
Efficient to save you time and labor
Accurate for better patient care

Bio-Rad Laboratories
HEMOglobIN TESTING

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