



# D-10™ Hemoglobin Testing System

for HbA1c, HbA2 and HbF

**BIO-RAD**



**Fully Automated**  
Primary tube sampling  
eliminates off-line sample  
preparation and streamlines  
your operational efficiency.

**Flexible**  
Diabetes and  $\beta$ -thalassemia  
testing on a single platform  
without changing cartridge  
or reagents provides flexibility  
with no hidden costs to the user.

**Powerful**  
Simultaneous quantitative HbA<sub>2</sub>,  
HbF and HbA<sub>1c</sub> results adds to  
convenience and saves money.

# D-10™ Hemoglobin Testing System

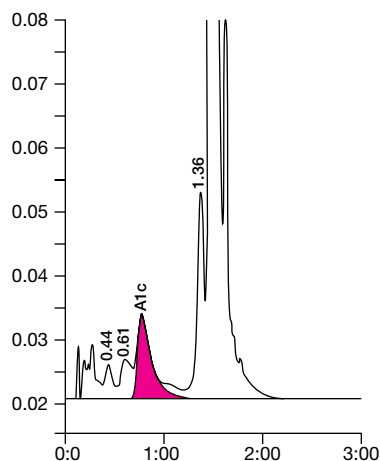
**for HbA<sub>1c</sub>, HbA<sub>2</sub> and HbF**

Dependability is about more than keeping your laboratory running smoothly; it's about the quality diabetes care you support. That's why we developed the D-10™ system with reliability and efficiency in mind.

A simple, fully automated solution, the D-10™ system combines diabetes and  $\beta$ -thalassemia testing, enabling rapid HbA<sub>1c</sub> or HbA<sub>2</sub>/F/A<sub>1c</sub> testing using primary tube sampling—so you can accomplish more in fewer steps. With the D-10™ system, it's easier to deliver a full picture of diabetes treatment progress—and that can be the difference for the people who count on you most.

Bio-Rad  
D-10  
S/N: #DA3G222606  
Sample ID:  
Injection Date:  
Injection N°: 23  
Rack N°: B3

Date: 12/31/2014  
Time: 09:16 AM  
Software version: 4.20  
1234  
12/31/2014 11:45 AM  
Method: HbA<sub>1c</sub>  
Rack position: 3



Peak table – ID: 1234

| Peak       | R. Time | Height | Area    | Area % |
|------------|---------|--------|---------|--------|
| A1a        | 0.20    | 6676   | 17769   | 0.5    |
| A1b        | 0.28    | 8455   | 40358   | 1.2    |
| F          | 0.44    | 5438   | 30425   | 0.9    |
| LA1c/CHb-1 | 0.61    | 6180   | 46070   | 1.4    |
| A1c        | 0.78    | 12575  | 125339  | 5.1    |
| P3         | 1.36    | 32535  | 149519  | 4.5    |
| A0         | 1.45    | 734587 | 2909750 | 87.4   |

**Total Area: 3328311**

| Concentration: | %   | mmol/mol |
|----------------|-----|----------|
| A1c            | 5.1 | 32       |

Option of reportable units:

IFCC (mmol/mol) or NGSP (%)

Non-diabetic patient: HbA<sub>1c</sub> program

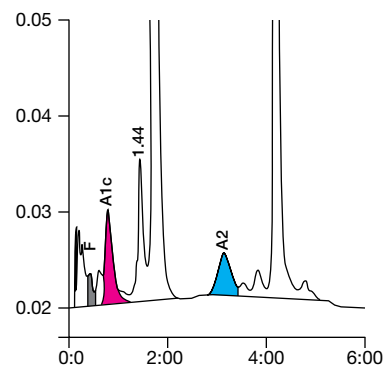
## Experience a new standard in flexibility

Same reagent kit for:

- HbA<sub>1c</sub> Short Program
- Dual Program for HbA<sub>1c</sub> as well as detection of common abnormal hemoglobins
- Quantitation of HbA<sub>2</sub> and HbF levels

Bio-Rad  
D-10  
S/N: #DA3G222606  
Sample ID:  
Injection Date:  
Injection N°: 29  
Rack N°: C1

Date: 12/31/2014  
Time: 04:17 PM  
Software version: 4.20  
5678  
12/31/2014 04:09 PM  
Method: HbA<sub>2</sub>/F  
Rack position: 1



Peak table – ID: 5678

| Peak       | R. Time | Height | Area  | Area % |
|------------|---------|--------|-------|--------|
| A1a        | 0.19    | 8327   | 34608 | 1.3    |
| A1b        | 0.27    | 6796   | 33677 | 1.2    |
| F          | 0.42    | 3538   | 21089 | < 0.8* |
| LA1c/CHb-1 | 0.62    | 3622   | 27045 | 1.0    |

|          |      |        |         |      |
|----------|------|--------|---------|------|
| A1c      | 0.79 | 9757   | 95034   | 6.5  |
| P3       | 1.44 | 14953  | 128736  | 4.7  |
| A0       | 1.71 | 261075 | 1494978 | 54.1 |
| A2       | 3.15 | 4419   | 81137   | 3.2  |
| S-Window | 4.20 | 139547 | 836508  | 30.3 |

**Total Area: 2763476**

| Concentration: | %      | mmol/mol |
|----------------|--------|----------|
| F              | < 0.8* | —        |
| A1c            | 6.5    | 48       |
| A2             | 3.2    | —        |

HbS: 30%, a presumptive HbAS patient

HbA<sub>2</sub>: Quantified at 3.2%

HbA<sub>1c</sub>: Reportable in the presence of HbS

*quality results*



## Where effective diabetes and thalassemia treatment begins

Completing multiple tests in fewer steps supports more than just your workflow—it's a big part of delivering timely, effective care.

### Fully automated to streamline your operational efficiency

- Primary tube sampling eliminates off-line sample preparation
- No sample mixing or sample cap removal
- Barcode reading for positive sample identification

### Flexible by providing 2 tests on a single platform

- Diabetes and  $\beta$ -thalassemia testing on a single kit without changing cartridge or reagents
- Complete  $\beta$ -thalassemia program including  $A_{1c}$  results

### Powerful instrument that provides variant detection

- Simultaneous quantitative  $HbA_2$ ,  $HbF$  and  $HbA_{1c}$  results
- Detects common Hb variants by using ion-exchange HPLC
- Accurate  $A_2$  and F determinations even in the presence of  $HbS$
- Provides numerical results and chromatograms so that you can understand full patient profiles

*Every patient deserves quality results. You deserve **flexibility**.*





**Powerful results and the flexibility  
you need to be the difference**

Like you, we take quality patient care seriously. We developed the D-10™ system to deliver complete and accurate hemoglobin testing in minutes. With the flexibility to run a HbA<sub>1c</sub> or a HbA<sub>2</sub>/F/A<sub>1c</sub> test on one platform with only one set of reagents and only one cartridge, the D-10™ system provides  $\beta$ -thalassemia testing and detection of common abnormal hemoglobins. A powerful, reliable, easy solution, the D-10™ system can help you be the difference in patient care.

**D-10™ System for HbA1c, HbA2 and HbF****Unparalleled Support**

Bio-Rad's world class service and support team is backed by 30 years of expertise in HbA<sub>1c</sub>, Hemoglobin testing, and Quality Controls. The D-10™ system represents our continued commitment to helping you be the difference for the patients that count on you.

**Powerful testing, simplified****D-10™ System for HbA1c or HbA2/F/A1c**

Accomplish more in fewer steps with the D-10™ system's simple operation, easy switching between HbA<sub>1c</sub> and  $\beta$ -thalassemia assays and expandability for higher volumes.

**Ordering Information**

| Catalog No. | Description   |  |
|-------------|---|--|
| 220-0220    | D-10™ Hemoglobin Testing System (110/220V) with Accessories.....                | 1 unit   |
| 220-0600    | D-10™ Rack Loader.....  | 1 unit   |
| 220-0101    | D-10™ Hemoglobin A <sub>1c</sub> Program Reorder Pack.....                      | 400 tests  |
| 220-0201    | D-10™ Dual Program Reorder Pack .....   | 400 HbA <sub>1c</sub> tests or 200 HbA <sub>2</sub> /F/A <sub>1c</sub> tests |
| 220-0375    | D-10™ Printer Paper .....   | 10 rolls   |
| 740         | Lyphochek® Diabetes Control Bilevel (3 each of 2 levels).....                   | 6 x 0.5 mL   |
| 171         | Liquichek™ Diabetes Control Level 1 .....                                       | 6 x 1 mL   |
| 172         | Liquichek™ Diabetes Control Level 2 .....                                       | 6 x 1 mL   |
| 173         | Liquichek™ Diabetes Control Level 3 .....                                       | 6 x 1 mL   |
| 553         | Lyphochek® Hemoglobin A <sub>2</sub> Control Bilevel (2 each of 2 levels) ..... | 4 x 0.5 mL   |
| 12000070    | Lyphochek® Hemoglobin A <sub>1c</sub> Linearity Set (1 each of 6 levels) .....  | 6 x 0.5  |
| BC80        | EQAS Hemoglobin Program (3 analytes).....                                       | 12 x 0.5 mL  |

**BIO-RAD****Bio-Rad  
Laboratories, Inc.**

For further information, please contact the Bio-Rad office nearest you or visit our website at [www.bio-rad.com/diagnostics](http://www.bio-rad.com/diagnostics)

Clinical  
Diagnostics Group

**Web site** [www.bio-rad.com/diagnostics](http://www.bio-rad.com/diagnostics) **USA** 1 800 224 6723 **Australia** 61 2 9914 2800 **Austria** 43 1 877 8901 **Belgium** 32 03 710 53 00  
**Brazil** 55 31 3689 6600 **Canada** 1 514 334 4372 **China** 86 21 61698500 **Czech Republic** 420 241 430 532 **Denmark** 45 4452 1000 **Finland** 358 9 804 22 00  
**France** 33 1 47 95 60 00 **Germany** 49 0 89 318 840 **Greece** 30 210 7774396 **Hong Kong** 852 2789 3300 **Hungary** 36 1 459 6100 **India** 1800 180 1224  
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**South Africa** 27 11 442 85 08 **Spain** 34 91 590 5200 **Sweden** 46 8 555 127 00 **Switzerland** 41 0 26 674 55 05 06 **Taiwan** 886 2 2578 7189  
**Thailand** 662 651 8311 **United Kingdom** 44 0 20 8328 2000