



# D-10™ Hemoglobin Testing System

for HbA1c, HbA2 and HbF





**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

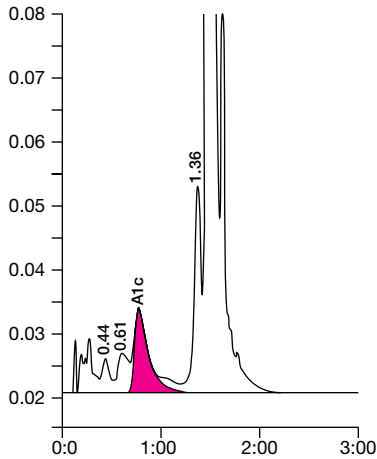
**for HbA<sub>1c</sub>, HbA<sub>2</sub> and HbF**

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

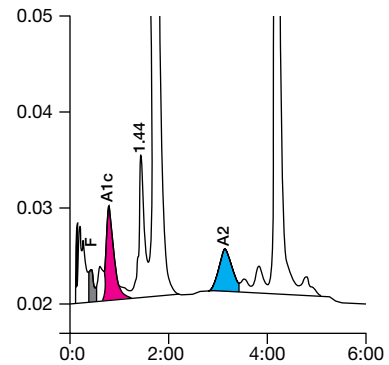
### Experience a new standard in flexibility

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

Total Area: 2763476

Concentration:	%	mmol/mol
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 β-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 HbA<sub>1c</sub>, HbA<sub>2</sub> 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 HbA<sub>1c</sub> or HbA<sub>2</sub>/F/A<sub>1c</sub>**

Accomplish more in fewer steps with the D-10™ system's simple operation, easy switching between HbA<sub>1c</sub> and β-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  
 Israel 972 3 9636050 Italy 39 02 216091 Japan 81 3 6361 7070 Korea 82 2 3473 4460 Mexico 52 55 5488 7670 The Netherlands 31 318 540666  
 New Zealand 64 9 415 2280 Norway 47 23 38 41 30 Poland 48 22 3319999 Portugal 351 21 472-7700 Russia 7 495 721 1404 Singapore 65 6415 3170  
 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