



# VARIANT™ nbs Newborn Screening System

See the Total Picture





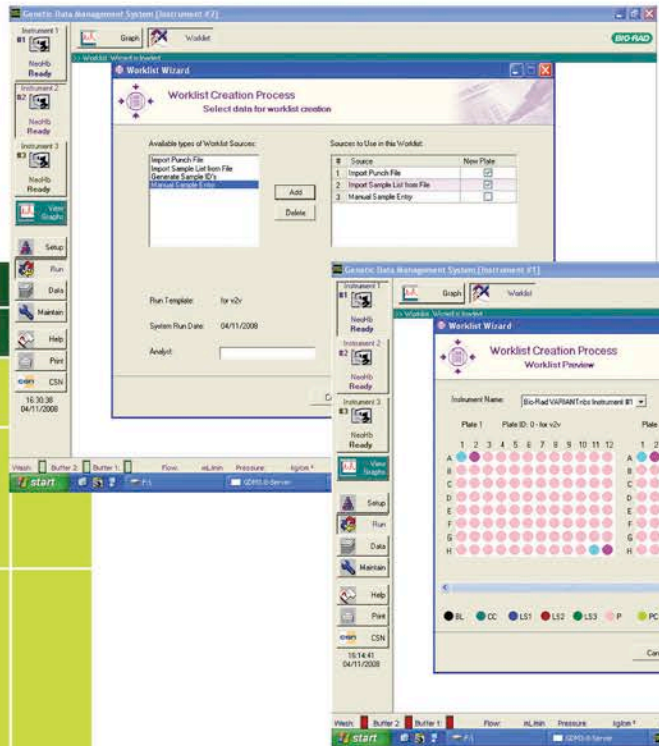
## See the Total Picture

Peace of mind comes from knowing you are providing the most comprehensive newborn hemoglobin analysis. The VARIANT™nbs System is the established worldwide standard in automated newborn screening for sickle cell disease and other hemoglobin disorders. This sophisticated system detects the presence of hemoglobins S, F, C, D, E, and other abnormal hemoglobins. With the VARIANT™nbs system, you get the total picture.

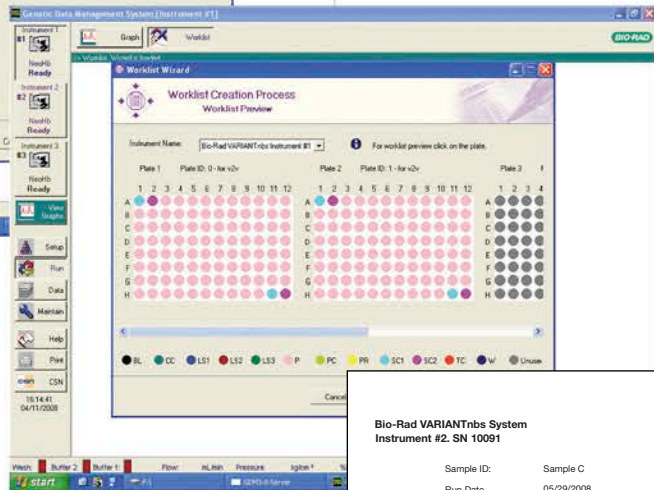
## Snapshots

- Walkaway automation
- Convenient result review using automatic pattern identification
- Streamlined workflow through simple puncher interface
- High capacity – up to 1,128 samples per run
- Positive sample tracking using on-board bar code reader
- Confidence of FDA clearance for dried blood spot samples

# Easy as 1-2-3



1 Import a punch file.



2 Preview a worklist.

**Bio-Rad VARIANtNbs System**  
Instrument #2: SN 10091

**Site Number:** NBS NeoHb

Sample ID: Sample C      Analysis Performed: 05/29/2010 15:22:14  
 Run Date: 05/29/2008      Injection Number: 398  
 Run Number: 2      Report Generated: 09/30/2010 10:51:09  
 Plate Type: Pat1      Operator ID: sh  
 Plate Position: 1  
 Well ID: HPLC1014904 C4

Peak	Peak Name	Retention Time (min)	Height	Area	Area%
1	FAST	0.116	112649	286634	16.8
2	F1	0.333	1652	14946	0.9
3	Unknown	0.401	2092	11898	0.7
4	F	0.613	487752	1074470	62.9
5	OTHER(1)	0.707	4564	19696	1.2
6	A	0.810	113907	299366	17.5

Pattern: FAB  
Total Area: 1706971

3 Review results.

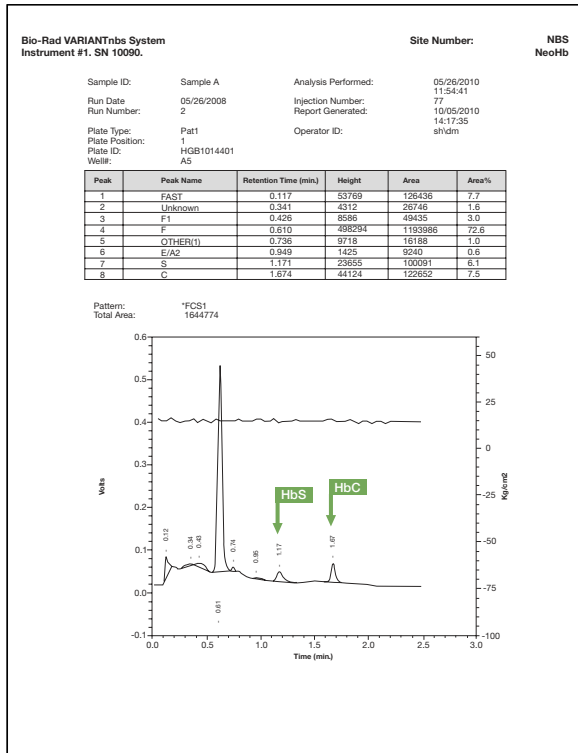


# VARIANT™ nbs Newborn Screening System

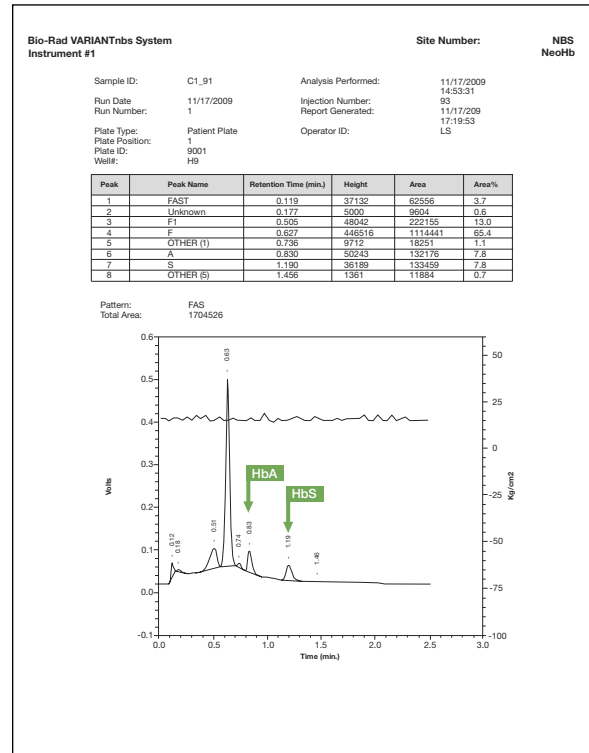
With the VARIANT™ nbs Newborn Screening System, you get complete analysis for your newborn testing program. The VARIANT™ nbs System provides key benefits crucial for ensuring a thorough analysis for hemoglobin disorders:

- Detects most clinically significant hemoglobin disorders
- Detects the carrier status for abnormal hemoglobins
- Detects many double heterozygote conditions

**With the VARIANT™ nbs System, you get the total picture the first time, allowing each baby to quickly receive the appropriate follow-up and care.**



Example chromatogram showing a double heterozygote with peaks presenting in both the HbS and HbC windows.



Example chromatogram showing a HbS carrier with peaks presenting in both the HbA and HbS windows.

## Ordering Information

Catalog No.	Description	
250-3010	VARIANT™ nbs Newborn Screening System.....	110V/220V
250-3055	VARIANT™ nbs GDM Workstation Computer.....	1 unit
250-3000	VARIANT™ nbs Sickle Cell Program Reorder Pack.....	1000 tests



**Bio-Rad Laboratories**

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

Website [www.bio-rad.com/diagnostics](http://www.bio-rad.com/diagnostics) U.S. 1-800-224-6723 Australia 61-2-9914-2800 Austria 43-1-877-8901 Belgium 32-9-385-5511 Brazil 5521-3237-9400  
 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 7-495-721-14-04 Singapore 65-6415-3170 South Africa 27-11-442-85-08 Spain 34-91-590-5200  
 Sweden 46-8-555-127-00 Switzerland 41-61-717-95-55 Taiwan 886-2-2578-7189 Thailand 662-651-8311 United Kingdom +44-(0)20-8328-2000