



VARIANT™ nbs

Newborn Hemoglobin System





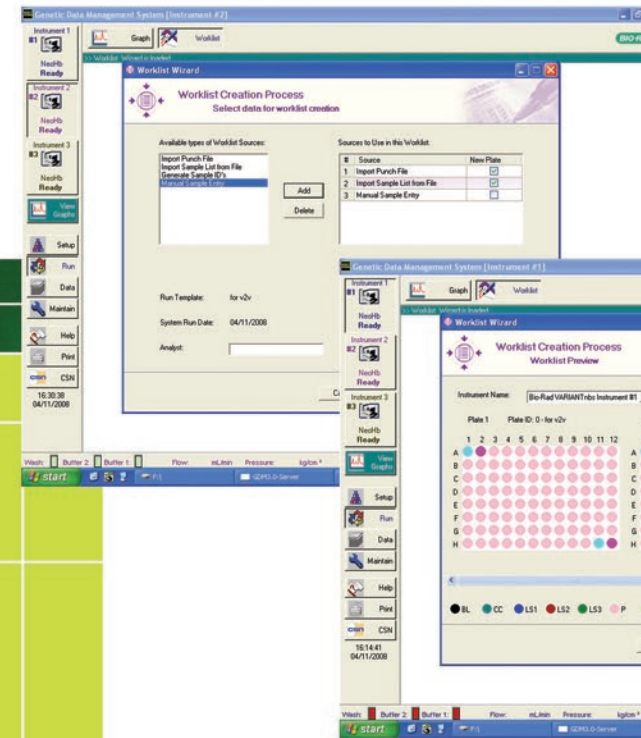
See the Total Picture

Peace of mind comes from knowing you are providing the most comprehensive newborn hemoglobin analysis. The VARIANT™nbs 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 VARIANT™nbs, you get the total picture.

Snapshots

- Walk-away 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 barcode 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 Site Number: **NeoHb**

Instrument #1

Sample ID: O-Arab Analysis Performed: 05/29/2008 20:30:49
 Run Date: 05/29/2008 Injection Number: 1831
 Run Number: 5 Report Generated: 05/29/2008 20:34:05
 Plate Type: First Patient Operator ID: hg
 Plate Position: 1
 Well: A8

Peak	Peak Name	Retention Time (min)	Height	Area	Area%
1	FAST	0.110	9071	29336	1.2
2	F	0.614	22527	74349	3.0
3	OTHER(1)	0.714	20432	80625	3.3
4	A	0.808	366860	1349848	54.3
5	E/A2	0.987	10000	26351	1.0
6	D	1.087	7449	21929	0.9
7	Unknown	1.416	2237	8538	0.3
8	OTHER(5)	1.549	278347	894720	36.0

Pattern: ASF
Total Area: 2484896

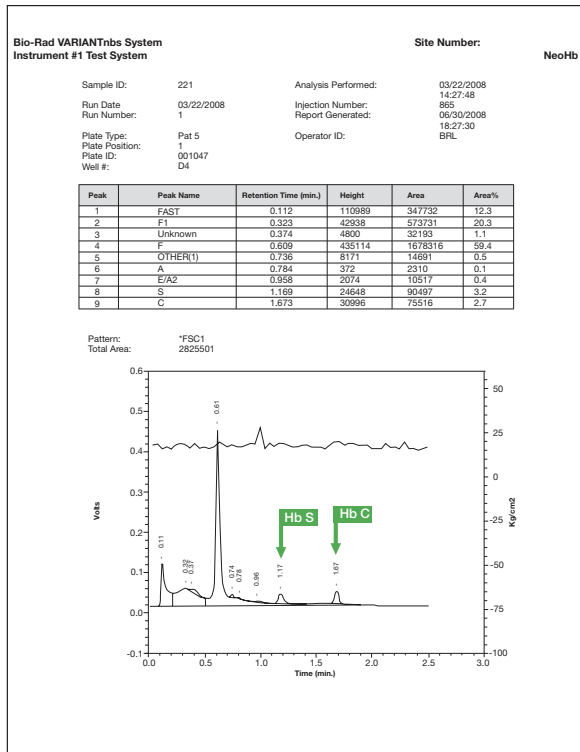
3 Review results.

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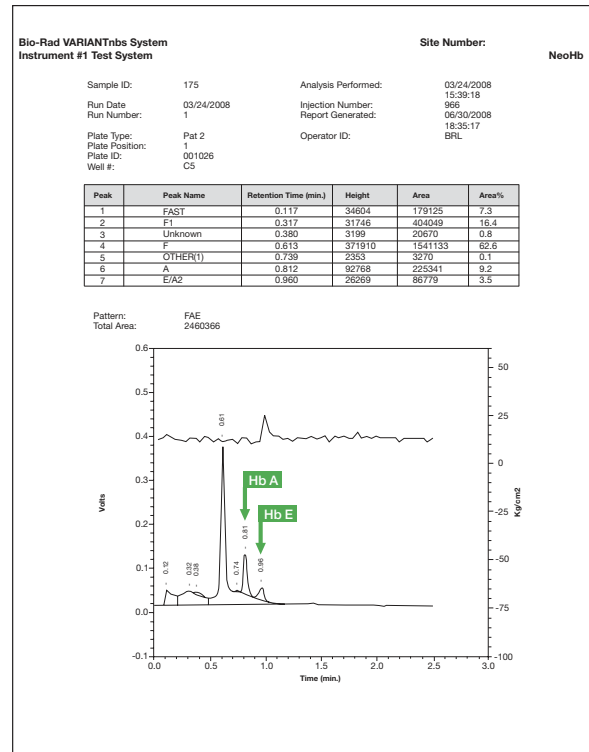
With the VARIANT™ nbs Newborn Hemoglobin System, you get complete analysis for your newborn testing program. The VARIANT™ nbs provides key benefits crucial for ensuring a thorough analysis for hemoglobin disorders:

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

With the VARIANT™ nbs 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 Hb S and Hb C windows.



Example chromatogram showing a Hb E carrier with peaks presenting in both the Hb A and Hb E windows.

Ordering Information

Catalog No.	Description	
250-3010	VARIANT™ nbs Newborn Screening System	110V/220V
250-3016	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.

Clinical Diagnostics Group

Website www.bio-rad.com/diagnostics U.S. 1-800-2BIO-RAD 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 86-21-64260808 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 36-1-455-8800 India 91-124-4029300 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 65-6415-3188 South Africa 27-11-442-85-08 Spain 34-91-590-5200 Sweden 46-8-555-127-00 Switzerland 41-61-717-95-55 Thailand 662-651-8311 United Kingdom +44-(0)20-8328-2000