

EXAMPLE

SL Number: 000 (1) **Event 2009-1** (2)
Evaluation Report

(3) **Blood Gases/Cooximetry**
Shipment Date: 03/01/09

Laboratory Supervisor (4)
Some Institution
9999 Some Avenue
Some City, CA 99999

(5) Agencies/Consultants Reported To:
CMS - CLIA ID: 10D0000000
CAP - LAP ID: 00000-00

(6) Analyte	(7) Sample	(8) Result Identifier	(9) Scoring Group	(10) Your Result	(11) Accepted Range	(12) Mean	(13) SDI	(14) Score	(15) CLIA Regulatory Status
pCO2 (mmHg)	BG09-1-1	ER	i-STAT	70.7	64.1 - 75.2	69.6	0.4	100%	Satisfactory
	BG09-1-2	ER	i-STAT	41.4	34.1 - 45.1	39.6	1.0		
	BG09-1-3	ER	i-STAT	66.7	59.9 - 70.4	65.2	0.8		
	BG09-1-4	ER	i-STAT	22.8	17.1 - 27.1	22.1	0.8		
	BG09-1-5	ER	i-STAT	16.8	11.4 - 21.4	16.4	0.5		
Carboxyhemoglobin (%)	CO09-1-1	ICU	IL 682	48.0	46.6 - 49.0	47.8	0.5	80%	Non-regulated analyte
	CO09-1-2	ICU	IL 682	6.0	5.2 - 7.4	6.3	-0.8		
	CO09-1-3	ICU	IL 682	19.0	17.5 - 20.2	18.8	0.2		
	CO09-1-4	ICU	IL 682	48.0	46.5 - 49.2	47.8	0.2		
	CO09-1-5	ICU	IL 682	* 8.0	5.0 - 7.5	6.2	4.2		

- Your WSLH PT customer number.
- Test event number.
- Proficiency Testing program and shipment date.
- Contact person, institution name and department demographic information.
- CLIA and other specified accreditation organization identification numbers.
- Analyte:** Individual analyte reported and unit of measure.
- Sample:** Identification code on each sample ampule (BG = 2-letter PT program code, 06 = year, -1 = testing event/cycle, -1 = sample number).
- Result Identifier:** Your 4-alpha numeric character identification of the instrument. Your options include location, serial number, analyst, etc.
- Scoring Group:** Scoring group used to evaluate your results. A scoring group can consist of results from a specific instrument model, results from instrument models in the same series, results from a group of instruments from the same manufacturer or results from all instruments.
- Your Result:** The result reported by your institution. An asterisk indicates an unsatisfactory result.
- Accepted Range:** The range of results in which your result must fall for satisfactory performance. The criteria for acceptable performance are defined by the Center for Medicare and Medicaid Services (CMS), formerly HCFA, and are published in the Federal Register, Clinical Laboratory Improvement Amendments of 1988; Final Rule, 42 CFR Part 405, February 28, 1992.
- Mean:** The statistical average of the scoring group by which your results were scored.
- SDI:** Standard deviation index is a comparison of your result to the scoring group mean, expressed in terms of the standard deviation. The SDI is calculated as follows:
$$SDI = \frac{\text{Individual result} - \text{scoring group mean}}{\text{Scoring group standard deviation}}$$
- Score:** The percentage of your results which fall within the accepted range. It is calculated by dividing your number of satisfactory results by the total number of samples in the cycle challenge.
- CLIA Regulatory Status:** This column indicates whether a regulated analyte score is satisfactory ($\geq 80\%$) or unsatisfactory ($< 80\%$). The column shows 'Non-regulated analyte' for unregulated analytes. If multiple instrument results are reported, the column shows 'Non-regulated result set' for each analyte reported. If you reported all samples (for that analyte) by a waived method, then this column will list "Waived method."