

MEDICAL LABORATORY

EVALUATION

INTERNATIONAL
PARTICIPANT SUMMARY

2 • 0 • 0 • 3

Immunology and Chemistry
MLE – B2



Total Commitment to Education and Service
Provided by ACP Services, Inc.

Table of Contents

2003 Evaluation Criteria	3
---------------------------------------	----------

Immunology

Infectious Mononucleosis	4	FSH.....	20
Rheumatoid Factor	4	GGT	15
Qualitative.....	4	Glucose, Serum	12
Quantitative (Titer).....	4	hCG, Serum - Quantitative.....	14
Quantitative (IU)	5	HDL Cholesterol	18
Anti-Streptolysin O (ASO).....	5	Iron.....	12
Qualitative.....	5	Lactate Dehydrogenase	16
Quantitative	5	Lipase	16
C-Reactive Protein	6	LDL Cholesterol	18
Qualitative.....	6	LH	20
Quantitative	6	Magnesium	12
Rubella	6	Phosphorus.....	12
Quantitative	6	Potassium (Specimens CH-6 through CH-10)	14
Syphilis Serology.....	7	Progesterone	20
VDRL Slide - Qualitative	7	Prolactin.....	20
VDRL Slide - Quantitative.....	7	Protein, Total.....	12
MTA-TP	8	Sodium (Specimens CH-6 through CH-10)	14
Qualitative: RPR	8	T ₃ , Free	17
Quantitative: RPR (Titer)	8	T ₃ Uptake (% Uptake)	17
H. <i>pylori</i> Antibody Detection	8	Thyroxine, Free.....	17
Viral Markers	9	Thyroxine, Total T ₄	17
Anti-HBc	9	TIBC.....	13
Anti-HIV	9	Triglycerides.....	18
HAV	9	Triiodothyronine, Total T ₃	16
HBeAg.....	9	TSH.....	17
HBsAb	10	Urea Nitrogen.....	13
HbsAg.....	10	Uric Acid.....	13
HCV	10	Urine Drug Screen	20

Chemistry

Acid Phosphatase.....	14
Albumin	11
Alkaline Phosphatase	15
ALT (SGPT).....	14
Amylase.....	15
AST (SGOT).....	15
Bilirubin, Direct	11
Bilirubin, Total.....	11
Blood Gases.....	18
Calcium	11
CEA (Specimens SC-3 and SC-4).....	19
Chloride (Specimens CH-6 through CH-10)	13
Cholesterol, Total	17
CO ₂	13
Cortisol	16
Creatine Kinase	15
Creatinine	11
Estradiol	19

2003 Evaluation Criteria

Qualitative

For qualitative procedures, evaluation is based on 80% participant consensus

Infectious Mononucleosis	80% Participant Consensus
Rheumatoid Factor	80% Participant Consensus
Anti-Streptolysin O (ASO)	80% Participant Consensus
C-Reactive Protein	80% Participant Consensus
Syphilis Serology	80% Participant Consensus
H. <i>pylori</i> Antibody Detection	80% Participant Consensus
Viral Markers	80% Participant Consensus

Quantitative

For quantitative procedures, a mean and standard deviation (SD) are calculated for each analyte's "All Method" group. Acceptable performance is established on a target value \pm the intervals below. An explanation on how to calculate the range of acceptability based upon these limits is also provided in your MLE Program Guide on pages 44-45 under the heading "Acceptable Ranges for Quantitative Results."

Acid Phosphatase	± 3 SD	LDL Cholesterol	± 3 SD
Albumin	± 3 SD	Lipase	Not Evaluated
Alkaline Phosphatase	± 3 SD	LH	± 3 SD
Alpha-fetoprotein	± 3 SD	Magnesium	± 3 SD
ALT (SGPT)	± 3 SD	pCO ₂	± 3 SD
Amylase	± 3 SD	Phosphorus	± 3 SD
Anti-Streptolysin O (Titer)	Not Evaluated	pH	± 3 SD
Anti-Streptolysin O (Int. Units)	Not Evaluated	pO ₂	± 3 SD
AST (SGOT)	± 3 SD	Potassium	± 3 SD
Bilirubin, Direct	± 3 SD	Prolactin	± 3 SD
Bilirubin, Total	± 3 SD	Progesterone	± 3 SD
C-Reactive Protein	± 3 SD	Protein, Total	± 3 SD
CA 125	± 3 SD	PSA	± 3 SD
CA 15-3	± 3 SD	PSA, Free	± 3 SD
Calcium	± 3 SD	Rheumatoid Factor (Titer)	Not Evaluated
Calcium, Ionized	± 3 SD	Rheumatoid Factor (Int. Units)	Not Evaluated
CEA	± 3 SD	Rubella (Int. Units)	Not Evaluated
Cholesterol	± 3 SD	Sodium	± 3 SD
Chloride	± 3 SD	Syphilis Serology (Titer)	Not Evaluated
CO ₂	± 3 SD	T ₃ Uptake (% Uptake)	± 3 SD
Cortisol	± 3 SD	T ₃ , Free	± 3 SD
Creatine Kinase	± 3 SD	T ₄ , Free	± 3 SD
Creatinine	± 3 SD	Testosterone	± 3 SD
Estradiol	± 3 SD	Thyroxine, Total T ₄	± 3 SD
Ferritin	± 3 SD	TIBC	± 3 SD
Folate	± 3 SD	Triglyceride	± 3 SD
FSH	± 3 SD	Triiodothyronine, Total T ₃	± 3 SD
GGT	± 3 SD	TSH	± 3 SD
Glucose, Serum	± 3 SD	Urea Nitrogen	± 3 SD
HDL Cholesterol	± 3 SD	Uric Acid	± 3 SD
HCG, Serum—Quantitative	± 3 SD	Vitamin B ₁₂	± 3 SD
Iron	± 3 SD		
Lactate Dehydrogenase	± 3 SD		

Infectious Mononucleosis

<u>Method</u>	Specimen IM-6		Specimen IM-7		Specimen IM-8	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	-	2	-	2	2	-
Omega Diagnostics	-	1	-	1	1	-
Stanbio	-	1	-	1	1	-

<u>Method</u>	Specimen IM-9		Specimen IM-10	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	2	-	-	2
Omega Diagnostics	1	-	-	1
Stanbio	1	-	-	1

Rheumatoid Factor—Qualitative

<u>Method</u>	Specimen RF-6		Specimen RF-7		Specimen RF-8	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	3	-	-	3	3	-
Behring Nephelometer	1	-	-	1	1	-
Omega Diagnostics	1	-	-	1	1	-

<u>Method</u>	Specimen RF-9		Specimen RF-10	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	-	3	3	-
Behring Nephelometer	-	1	1	-
Omega Diagnostics	-	1	1	-

Rheumatoid Factor—Quantitative (Titer)

This portion is not evaluated. Results reported are as follows:

<u>Specimen/Method</u>	<u>2/4</u>	<u>8/10</u>	<u>16/20</u>	<u>32/40</u>	<u>64/80</u>	<u>128/160</u>	<u>256/320</u>	<u>512/640</u>	<u>1024/1280</u>	<u>2048/2560</u>	<u>>2560</u>
Specimen RF-7											
All Methods	-	1	-	-	-	-	-	-	-	-	-
Omega Diagnostics	-	1	-	-	-	-	-	-	-	-	-
Specimen RF-9											
All Methods	-	-	1	-	-	-	-	-	-	-	-
Omega Diagnostics	-	-	1	-	-	-	-	-	-	-	-

Rheumatoid Factor—Quantitative (IU)

This portion is not evaluated. Results reported are as follows:

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen RF-7							
All Methods	1	-	-	-	34	34	34
Specimen RF-9							
All Methods	1	-	-	-	32	32	32
Specimen RF-10							
All Methods	1	-	-	-	8	8	8

Anti-Streptolysin O (ASO)—Qualitative

<u>Method</u>	<u>Specimen AS-6</u>		<u>Specimen AS-7</u>		<u>Specimen AS-8</u>		
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	
All Methods	2	-	-	2	2	-	
Behring Nephelometer	1	-	-	1	1	-	
		<u>Specimen AS-9</u>		<u>Specimen AS-10</u>			
All Methods	2	-	-	2			
Behring Nephelometer	1	-	-	1			

Anti-Streptolysin O (ASO)—Quantitative

This portion is not evaluated. Results reported are as follows:

<u>Specimen/Method</u>	<u>Todd Units / International Units</u>										<u>Streptozyme</u>	
	<u>≤50</u>	<u>100</u>	<u>125</u>	<u>166-200</u>	<u>250-300</u>	<u>333-400</u>	<u>500-600</u>	<u>625</u>	<u>800-833</u>	<u>100-200</u>	<u>400-800</u>	
Specimen AS-6												
All Methods	2	-	-	-	-	-	-	-	-	-	-	-
Behring Nephelometer	1	-	-	-	-	-	-	-	-	-	-	-
Specimen AS-7												
All Methods	-	-	-	-	-	-	-	2	-	-	-	-
Behring Nephelometer	-	-	-	-	-	-	-	1	-	-	-	-
Specimen AS-8												
All Methods	2	-	-	-	-	-	-	-	-	-	-	-
Behring Nephelometer	1	-	-	-	-	-	-	-	-	-	-	-

Anti-Streptolysin O (ASO)—Quantitative (cont'd)

This portion is not evaluated. Results reported are as follows:

<u>Specimen/Method</u>	<u>Todd Units / International Units</u>							<u>Streptozyme</u>		
	<u>≤50</u>	<u>100</u>	<u>125</u>	<u>166-200</u>	<u>250-300</u>	<u>333-400</u>	<u>500-600</u>	<u>625</u>	<u>800-833</u>	<u>100-200</u>

Specimen AS-9

All Methods	2	-	-	-	-	-	-	-	-	-	-
Behring Nephelometer	1	-	-	-	-	-	-	-	-	-	-

Specimen AS-10

All Methods	-	-	-	-	-	-	-	2	-	-	-
Behring Nephelometer	-	-	-	-	-	-	-	1	-	-	-

C-Reactive Protein^¾Qualitative

<u>Method</u>	<u>Specimen CR-3</u>		<u>Specimen CR-4</u>	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	3	-	1	2
Behring Nephelometer	1	-	-	1
Omega Diagnostics	1	-	-	1

C-Reactive Protein^¾Quantitative (mg/dL)

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen CR-3							
All Methods	2	-	-	-	1.80	0.20	3.40
Behring Nephelometer	1	-	-	-	3.40	3.40	3.40
Specimen CR-4							
All Methods	2	-	-	-	15.10	1.80	28.40
Behring Nephelometer	1	-	-	-	28.40	28.40	28.40

Rubella^¾Quantitative (IU/mL)

This portion is not evaluated. Results reported are as follows:

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen RU-6							
All Methods	1	-	-	-	5.0	5.0	5.0
Specimen RU-7							
All Methods	1	-	-	-	33.4	33.4	33.4
Specimen RU-8							
All Methods	1	-	-	-	5.0	5.0	5.0

Rubella^{3/4}Quantitative (IU/mL)

This portion is not evaluated. Results reported are as follows:

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen RU-9							
All Methods	1	-	-	-	34.1	34.1	34.1
Specimen RU-10							
All Methods	1	-	-	-	5.0	5.0	5.0

Syphilis Serology - VDRL Slide - Qualitative

<u>Method</u>	<u>Specimen SY-6</u>			<u>Specimen SY-7</u>		
	<u>Reactive</u>	<u>Weakly Reactive</u>	<u>Non-Reactive</u>	<u>Reactive</u>	<u>Weakly Reactive</u>	<u>Non-Reactive</u>
All Methods	-	-	1	-	-	1
Specimen SY-8						
All Methods	1	-	-	1	-	-
Specimen SY-10						
All Methods	1	-	-			

Syphilis Serology - VDRL Slide - Quantitative Results

This portion is not evaluated. Results reported are as follows:

<u>Specimen/Method</u>	<u>0 dils</u>	<u>1 dil</u>	<u>2 dils</u>	<u>4 dils</u>	<u>8 dils</u>	<u>16 dils</u>	<u>32 dils</u>	<u>> 32 dils</u>
Specimen SY-8								
All Methods	-	1	-	-	-	-	-	-
Specimen SY-9								
All Methods	-	1	-	-	-	-	-	-
Specimen SY-10								
All Methods	-	1	-	-	-	-	-	-

Syphilis Serology - MHA-TP

<u>Method</u>	Specimen SY-6		Specimen SY-7		Specimen SY-8	
	<u>Reactive</u>	<u>Non-Reactive</u>	<u>Reactive</u>	<u>Non-Reactive</u>	<u>Reactive</u>	<u>Non-Reactive</u>
All Methods	-	1	-	1	1	-
	Specimen SY-9		Specimen SY-10			
All Methods	1	-	1	-		

Syphilis Serology - Qualitative: RPR

<u>Method</u>	Specimen SY-6		Specimen SY-7		Specimen SY-8	
	<u>Reactive</u>	<u>Non-Reactive</u>	<u>Reactive</u>	<u>Non-Reactive</u>	<u>Reactive</u>	<u>Non-Reactive</u>
All Methods	-	13	-	13	13	-
BioSystems	-	1	-	1	1	-
Omega Diagnostics	-	3	-	3	3	-
SPINREACT	-	8	-	8	8	-
	Specimen SY-9		Specimen SY-10			
All Methods	13	-	13	-		
BioSystems	1	-	1	-		
Omega Diagnostics	3	-	3	-		
SPINREACT	8	-	8	-		

Syphilis Serology - Quantitative: RPR (Titer)

This portion is not evaluated. Results reported are as follows:

<u>Specimen/Method</u>	<u>1</u>	<u>2</u>	<u>4</u>	<u>8</u>	<u>16</u>	<u>32</u>	<u>64</u>
Specimen SY-8							
All Methods	4	6	-	-	-	-	-
Omega Diagnostics	1	1	-	-	-	-	-
SPINREACT	2	5	-	-	-	-	-
Specimen SY-9							
All Methods	5	4	1	-	-	-	-
Omega Diagnostics	-	1	1	-	-	-	-
SPINREACT	4	3	-	-	-	-	-
Specimen SY-10							
All Methods	5	3	1	-	-	-	-
Omega Diagnostics	-	1	1	-	-	-	-
SPINREACT	5	3	-	-	-	-	-

H. pylori Antibody Detection

<u>Method</u>	Specimen HP-3		Specimen HP-4	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	1	-	1	-

Viral Markers – Anti-HBc

<u>Method</u>	Specimen VM-6		Specimen VM-7		Specimen VM-8	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	1	3	4	-	-	4
Abbott IMx	-	1	1	-	-	1
bioMerieux Vitek, Mini Vidas	-	2	2	-	-	2
Roche Cobas CORE	1	-	1	-	-	1

<u>Method</u>	Specimen VM-9		Specimen VM-10	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	-	4	1	3
Abbott IMx	-	1	-	1
bioMerieux Vitek, Mini Vidas	-	2	-	2
Roche Cobas CORE	-	1	1	-

Viral Markers – Anti-HIV

<u>Method</u>	Specimen VM-6		Specimen VM-7		Specimen VM-8	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	-	5	5	-	5	-
Abbott AxSYM	-	1	1	-	1	-
bioMerieux Vitek, Mini Vidas	-	3	3	-	3	-

<u>Method</u>	Specimen VM-9		Specimen VM-10	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	5	-	-	5
Abbott AxSYM	1	-	-	1
bioMerieux Vitek, Mini Vidas	3	-	-	3

Viral Markers – HAV

<u>Method</u>	Specimen VM-6		Specimen VM-7		Specimen VM-8	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	3	-	4	-	4	-
Abbott AxSYM	-	-	1	-	1	-
Abbott IMx	1	-	1	-	1	-
bioMerieux Vitek, Mini Vidas	2	-	2	-	2	-

<u>Method</u>	Specimen VM-9		Specimen VM-10	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	-	4	4	-
Abbott AxSYM	-	1	1	-
Abbott IMx	-	1	1	-
bioMerieux Vitek, Mini Vidas	-	2	2	-

Viral Markers – HBeAg

<u>Method</u>	Specimen VM-6		Specimen VM-7		Specimen VM-8	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	3	-	3	-	-	3
Abbott AxSYM	1	-	1	-	-	1
bioMerieux Vitek, Mini Vidas	2	-	2	-	-	2

Viral Markers – HbeAg (cont'd)

<u>Method</u>	Specimen VM-9		Specimen VM-10	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	-	3	3	-
Abbott AxSYM	-	1	1	-
bioMerieux Vitek, Mini Vidas	-	2	2	-

Viral Markers – HBsAb

<u>Method</u>	Specimen VM-6		Specimen VM-7		Specimen VM-8	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	-	3	3	-	3	-
Abbott AxSYM	-	1	1	-	1	-
Abbott IMx	-	1	1	-	1	-
bioMerieux Vitek, Mini Vidas	-	1	1	-	1	-

<u>Method</u>	Specimen VM-9		Specimen VM-10	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	3	-	-	3
Abbott AxSYM	1	-	-	1
Abbott IMx	1	-	-	1
bioMerieux Vitek, Mini Vidas	1	-	-	1

Viral Markers – HBsAg

<u>Method</u>	Specimen VM-6		Specimen VM-7		Specimen VM-8	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	3	2	5	-	-	5
Abbott AxSYM	-	1	1	-	-	1
Abbott IMx	1	-	1	-	-	1
bioMerieux Vitek, Mini Vidas	2	1	3	-	-	3

<u>Method</u>	Specimen VM-9		Specimen VM-10	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	-	5	4	1
Abbott AxSYM	-	1	-	1
Abbott IMx	-	1	1	-
bioMerieux Vitek, Mini Vidas	-	3	3	-

Viral Markers – HCV

<u>Method</u>	Specimen VM-6		Specimen VM-7		Specimen VM-8	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	1	3	4	-	1	3
Abbott IMx	-	2	2	-	-	2
Roche Cobas CORE	1	-	1	-	1	-

<u>Method</u>	Specimen VM-9		Specimen VM-10	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	1	3	3	1
Abbott IMx	-	2	1	1
Roche Cobas CORE	1	-	1	-

Albumin (g/dL)

<u>Reagent/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	3.05	0.34	11.2	3.2	8	2.04	0.30	14.6	2.2
<u>Reagent/Instrument</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	2.93	0.32	11.1	3.1	8	2.33	0.32	13.6	2.5
<u>Reagent/Instrument</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	8	3.86	0.37	9.6	4.0					

Bilirubin, Direct (mg/dL)

<u>Reagent/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	1.01	0.67	65.8	0.9	8	1.25	0.71	56.9	1.0

Bilirubin, Total (mg/dL)

<u>Reagent/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	2.46	0.94	38.2	3.1	8	2.88	1.03	35.9	3.4
<u>Reagent/Instrument</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	1.34	0.49	36.4	1.6	8	1.93	0.70	36.4	2.3
<u>Reagent/Instrument</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	8	0.96	0.39	40.8	1.2					

Calcium (mg/dL)

<u>Reagent/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	7	8.36	0.97	11.7	8.4	7	10.83	0.61	5.6	10.8
<u>Reagent/Instrument</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	7	10.79	0.60	5.5	11.0	7	11.59	0.78	6.7	11.6
<u>Reagent/Instrument</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	7	8.31	1.02	12.2	7.9					

Creatinine (mg/dL)

<u>Reagent/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	3.84	0.42	11.1	3.7	8	5.68	0.48	8.5	5.6
<u>Reagent/Instrument</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	3.14	0.30	9.5	3.1	8	4.59	0.44	9.6	4.6
<u>Reagent/Instrument</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	8	1.34	0.22	16.5	1.3					

Glucose (mg/dL)

<u>Reagent/Instrument</u>	<u>Labs</u>	Specimen CH-6				Specimen CH-7					
		<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	
All Methods	8	74.6	3.9	5.2	76	8	136.5	5.1	3.7	136	
		Specimen CH-8				Specimen CH-9					
All Methods	8	160.3	4.8	3.0	160	8	172.3	5.1	3.0	171	
		Specimen CH-10									
All Methods	8	98.1	3.7	3.8	98						

Iron (mcg/dL)

<u>Reagent/Instrument</u>	<u>Labs</u>	Specimen CH-6				Specimen CH-7					
		<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	
All Methods	2	-	-	-	263	2	-	-	-	122	
		Specimen CH-8				Specimen CH-9					
All Methods	2	-	-	-	247	2	-	-	-	160	
		Specimen CH-10									
All Methods	2	-	-	-	387						

Magnesium (mg/dL)

<u>Reagent/Instrument</u>	<u>Labs</u>	Specimen CH-6				Specimen CH-7					
		<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	
All Methods	7	4.23	0.79	18.8	4.4	7	4.71	0.92	19.5	5.0	
		Specimen CH-8				Specimen CH-9					
All Methods	7	3.16	0.83	26.4	3.1	7	4.06	1.04	25.7	4.0	
		Specimen CH-10									
All Methods	7	2.70	0.79	29.2	2.6						

Phosphorus (mg/dL)

<u>Reagent/Instrument</u>	<u>Labs</u>	Specimen CH-6				Specimen CH-7				
		<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	4.76	0.32	6.8	4.9	8	4.88	0.21	4.4	5.0

Protein, Total (g/dL)

<u>Reagent/Instrument</u>	<u>Labs</u>	Specimen CH-6				Specimen CH-7					
		<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	
All Methods	8	6.01	0.36	6.1	6.2	8	4.15	0.28	6.7	4.3	
		Specimen CH-8				Specimen CH-9					
All Methods	8	5.90	0.33	5.6	6.1	8	4.69	0.30	6.4	4.8	
		Specimen CH-10									
All Methods	8	7.78	0.53	6.8	8.1						

TIBC (mcg/dL)

<u>Reagent/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	368	1	-	-	-	242

Urea Nitrogen (mg/dL)

<u>Reagent/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	15.8	1.0	6.6	16	8	19.6	1.1	5.4	20
<u>Reagent/Instrument</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	29.9	1.6	5.5	30	8	27.6	1.7	6.1	28
<u>Reagent/Instrument</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	25.6	1.8	6.9	26					

Uric Acid (mg/dL)

<u>Reagent/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	4.09	0.23	5.6	4.2	8	7.59	0.68	9.0	7.9
<u>Reagent/Instrument</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	8.15	0.61	7.5	8.3	8	9.16	0.79	8.7	9.3
<u>Reagent/Instrument</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	4.69	0.17	3.7	4.8					

Chloride (mmol/L)

<u>Method/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	5	111.0	2.4	2.2	110	5	101.8	3.1	3.1	101
<u>Method/Instrument</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	5	99.6	3.3	3.3	98	5	97.0	2.7	2.8	97
<u>Method/Instrument</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	5	109.8	2.8	2.5	109					

CO₂ (mmol/L)

<u>Method/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	2	-	-	-	26	2	-	-	-	24

Potassium (mmol/L)

<u>Method/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	7	5.46	0.27	5.0	5.4	7	5.23	0.33	6.2	5.1
<u>Method/Instrument</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	7	3.89	0.20	5.0	3.8	7	4.16	0.11	2.7	4.1
<u>Method/Instrument</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	7	4.13	0.26	6.2	4.0					

Sodium (mmol/L)

<u>Method/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	7	148.0	2.8	1.9	147	7	131.0	3.7	2.9	130
<u>Method/Instrument</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	7	132.0	2.6	2.0	131	7	126.3	2.8	2.2	126
<u>Method/Instrument</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	7	151.0	2.8	1.9	150					

Serum hCG - Quantitative (mIU/mL)

The vendor assay values for specimens HCG-6, HCG-8 and HCG-9 are <2.0 mIU/mL, <2.0 mIU/mL and <2.0 mIU/mL, respectively.

<u>Method</u>	Specimen HCG-7					Specimen HCG-10				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	3803	1	-	-	-	15901

Acid Phosphatase (IU/L)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	0.7	1	-	-	-	0.5

ALT (SGPT) (IU/L)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	62.4	14.4	23.0	65	8	104.5	27.0	25.8	112
<u>Instrument/Reagent</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	202.8	45.0	22.2	219	8	183.6	43.2	23.5	199
<u>Instrument/Reagent</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	8	161.5	31.6	19.6	172					

Alkaline Phosphatase (IU/L)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	133.4	51.8	38.8	121	8	205.9	88.0	42.7	177
<u>Instrument/Reagent</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	370.9	149.3	40.3	322	8	342.0	143.8	42.0	299
<u>Instrument/Reagent</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	8	327.4	134.1	41.0	279					

AST (SGOT) (IU/L)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	52.5	16.8	32.0	52	8	93.0	24.2	26.0	94
<u>Instrument/Reagent</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	176.5	45.3	25.7	178	8	162.0	40.1	24.7	163
<u>Instrument/Reagent</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	8	131.3	39.0	29.7	130					

Creatine Kinase (IU/L)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	219.7	49.0	22.3	233	6	71.3	27.8	39.0	66
<u>Instrument/Reagent</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	5	169.6	31.8	18.7	174	6	71.7	18.9	26.4	75
<u>Instrument/Reagent</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	6	294.7	108.2	36.7	305					

GGT (IU/L)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	7	68.0	22.6	33.3	62	7	115.1	32.1	27.9	107

Amylase (IU/L)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	7	124.0	36.9	29.8	138	7	178.4	51.1	28.6	200
<u>Instrument/Reagent</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	7	300.6	94.8	31.5	326	7	279.4	85.2	30.5	300
<u>Instrument/Reagent</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	7	239.4	76.7	32.0	266					

Lactate Dehydrogenase (IU/L)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	467.3	263.2	56.3	462	6	735.3	518.1	70.5	636
<u>Instrument/Reagent</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	930.8	502.7	54.0	986	6	970.0	548.4	56.5	942
<u>Instrument/Reagent</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	855.0	455.8	53.3	868					

Lipase (IU/L)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	5	336.0	394.5	117.4	53	5	72.6	80.9	111.4	16

Cortisol (mcg/dL)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	20.0	1	-	-	-	12.0
<u>Instrument/Reagent</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	30.0	1	-	-	-	13.0
<u>Instrument/Reagent</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	24.0					

T₃ Uptake (percent)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	2	-	-	-	19.4	2	-	-	-	22.3
<u>Instrument/Reagent</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	2	-	-	-	20.1	2	-	-	-	21.4
<u>Instrument/Reagent</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	2	-	-	-	18.8					

Triiodothyronine (ng/mL)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	3.50	1.05	30.1	3.9	6	1.52	0.56	37.2	1.6
<u>Instrument/Reagent</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	3.02	1.43	47.3	3.6	6	1.67	0.54	32.4	1.8
<u>Instrument/Reagent</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	5	4.64	1.47	31.6	5.3					

Free T₃ (pg/mL)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	24.4	1	-	-	-	8.0

Thyroxine (mcg/dL)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	10.12	2.21	21.8	9.6	6	5.03	1.85	36.7	4.1

<u>Instrument/Reagent</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	9.38	2.15	23.0	8.3	6	5.85	1.77	30.2	5.3

<u>Instrument/Reagent</u>	Specimen CH-10				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	14.62	3.37	23.0	14.1

Free Thyroxine (ng/dL)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	3	-	-	-	3.1	3	-	-	-	1.7

<u>Instrument/Reagent</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	3	-	-	-	2.9	3	-	-	-	2.1

<u>Instrument/Reagent</u>	Specimen CH-10				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	3	-	-	-	4.6

TSH (mU/mL)

<u>Instrument/Reagent</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	3.98	0.68	17.1	3.9	6	1.35	0.16	12.2	1.4

<u>Instrument/Reagent</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	3.02	0.54	17.8	3.1	6	1.62	0.19	12.0	1.6

<u>Instrument/Reagent</u>	Specimen CH-10				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	5.17	1.34	25.9	5.0

Cholesterol, Total (mg/dL)

<u>Reagent/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	178.8	10.1	5.6	175	8	136.9	8.9	6.5	134

<u>Reagent/Instrument</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	194.1	11.0	5.7	189	8	159.5	8.7	5.5	156

<u>Reagent/Instrument</u>	Specimen CH-10				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	236.8	10.1	4.2	234

LDL Cholesterol (mg/dL)

<u>Method</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	90.8	32.5	35.8	97	6	71.5	26.9	37.6	79

Cholesterol, HDL (mg/dL)

<u>Reagent/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	49.2	6.1	12.4	51	6	35.5	5.8	16.2	34
<u>Reagent/Instrument</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	47.3	5.5	11.5	47	6	40.0	6.3	15.7	39
<u>Reagent/Instrument</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	6	60.3	12.3	20.5	62					

Triglycerides (mg/dL)

<u>Reagent/Instrument</u>	Specimen CH-6					Specimen CH-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	151.1	10.1	6.7	151	8	105.8	6.2	5.9	103
<u>Reagent/Instrument</u>	Specimen CH-8					Specimen CH-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	141.8	9.7	6.8	137	8	120.1	17.4	14.5	114
<u>Reagent/Instrument</u>	Specimen CH-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	8	187.6	13.1	7.0	183					

Blood Gases – pH

<u>Method</u>	Specimen BG-6					Specimen BG-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	7.12	1	-	-	-	7.13
<u>Method</u>	Specimen BG-8					Specimen BG-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	7.14	1	-	-	-	7.63
<u>Method</u>	Specimen BG-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	7.16					

Blood Gases - pCO₂ (mmHg)

<u>Method</u>	Specimen BG-6					Specimen BG-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	76.0	1	-	-	-	74.0
<u>Method</u>	Specimen BG-8					Specimen BG-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	62.0	1	-	-	-	20.0
<u>Method</u>	Specimen BG-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	50.0					

Blood Gases - pO₂ (mmHg)

<u>Method</u>	<u>Labs</u>	<u>Specimen BG-6</u>				<u>Specimen BG-7</u>				
		<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	
All Methods	1	-	-	-	69.0	1	-	-	-	70.0
		<u>Specimen BG-8</u>				<u>Specimen BG-9</u>				
All Methods	1	-	-	-	127.0	1	-	-	-	158.0
		<u>Specimen BG-10</u>								
All Methods	1	-	-	-	169.0					

Blood Gases - Ionized Calcium (mmol/L)

<u>Method</u>	<u>Labs</u>	<u>Specimen BG-6</u>				<u>Specimen BG-7</u>				
		<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	
All Methods	1	-	-	-	1.49	1	-	-	-	1.43

Blood Gases - Potassium (mmol/L)

<u>Method</u>	<u>Labs</u>	<u>Specimen BG-6</u>				<u>Specimen BG-7</u>				
		<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	
All Methods	1	-	-	-	1.9	1	-	-	-	1.9
		<u>Specimen BG-8</u>				<u>Specimen BG-9</u>				
All Methods	1	-	-	-	3.2	1	-	-	-	6.1
		<u>Specimen BG-10</u>								
All Methods	1	-	-	-	2.3					

Blood Gases - Sodium (mmol/L)

<u>Method</u>	<u>Labs</u>	<u>Specimen BG-6</u>				<u>Specimen BG-7</u>				
		<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	
All Methods	1	-	-	-	113	1	-	-	-	111
		<u>Specimen BG-8</u>				<u>Specimen BG-9</u>				
All Methods	1	-	-	-	133	1	-	-	-	157
		<u>Specimen BG-10</u>								
All Methods	1	-	-	-	122					

CEA (ng/mL)

<u>Method</u>	<u>Labs</u>	<u>Specimen SC-3</u>				<u>Specimen SC-4</u>				
		<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	
All Methods	1	-	-	-	27.0	1	-	-	-	0.7

Estradiol (pg/mL)

<u>Method</u>	<u>Labs</u>	<u>Specimen SC-3</u>				<u>Specimen SC-4</u>				
		<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	
All Methods	1	-	-	-	903	2	-	-	-	29

FSH (mIU/mL)**Specimen SC-3****Specimen SC-4**

<u>Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	2	-	-	-	53.6	2	-	-	-	6.0

LH (mIU/mL)**Specimen SC-3****Specimen SC-4**

<u>Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	2	-	-	-	26.7	2	-	-	-	2.9

Progesterone (ng/mL)**Specimen SC-3****Specimen SC-4**

<u>Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	1	-	-	-	20.8	1	-	-	-	2.6

Prolactin (ng/mL)**Specimen SC-3****Specimen SC-4**

<u>Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	2	-	-	-	249.8	2	-	-	-	36.6

Urine Drug Screen**Alcohol****Specimen UDS-3****Specimen UDS-4**

<u>Method</u>	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>
All Methods	1	-	1	1	-	1

Amphetamines**Specimen UDS-3****Specimen UDS-4**

<u>Method</u>	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>
All Methods	1	1	-	1	1	-

Barbiturates**Specimen UDS-3****Specimen UDS-4**

<u>Method</u>	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>
All Methods	1	1	-	1	1	-

Urine Drug Screen (cont'd)

Cannabinoids (THC)

<u>Method</u>	Specimen UDS-3			Specimen UDS-4		
	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>
All Methods	1	1	-	1	1	-

Cocaine Metabolites

<u>Method</u>	Specimen UDS-3			Specimen UDS-4		
	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>
All Methods	1	-	1	1	-	1

Opiates

<u>Method</u>	Specimen UDS-3			Specimen UDS-4		
	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>
All Methods	1	-	1	1	-	1

Medical Laboratory Evaluation

2011 Pennsylvania Avenue, NW, Suite 800

Washington, DC 20006-1813

800-338-2746 • 202-261-4500 • Fax: 202-835-0440

www.acponline.org/mle