

**PUERTO RICO DEPARTMENT OF HEALTH
LABORATORIES OF PUBLIC HEALTH
Proficiency Testing Service Program**



**CLINICAL LABORATORIES
PROFICIENCY TESTING PROGRAM
CATALOG 2019**

CHEMISTRY Challenges – 5 per shipment

Ship Dates (2019) February – 4 June – 3 October – 7

**Survey A – Routine Chemistry
(10.0ml lyophilized serum/vial) \$ 180.00**

Analytes:

- 001 *Alanine Aminotransferase ALT/SGPT
- 002 *Albumin
- 003 *Alkaline Phosphatase
- 004 *Amylase
- 005 *AspartateAminotransferase AST/SGOT
- 006 *Bilirubin, Total
- 010 *Calcium, Total
- 011 *Chloride
- 012 *Cholesterol, Total
- 013 *Cholesterol, high density lipoprotein (HDL)
- 014 *Creatine Kinase (CK)
- 016 *Creatinine
- 135 Gamma glutamyl transferase (GGT)
- 017 *Glucose
- 018 *Iron Total
- 019 *Lactase dehydrogenase (LDH)
- 136 Lactic Acid
- 137 Lipase
- 021 *Magnesium
- 138 Phosphorus
- 022 *Potassium
- 023 *Sodium
- 024 *Total Protein
- 025 *Triglycerides
- 026 *Urea Nitrogen
- 027 *Uric Acid
- 169 CO₂
- 170 Direct Bilirubin
- 164 Troponin I
- 165 Troponin T

**Survey C – Routine – Blood Gases
(2.0ml ampules of aqueous material/vial) \$100.00**

Analytes:

- 007 *Blood Gases - pCO₂
- 008 *Blood Gases - pH
- 009 *Blood Gases - pO₂

***CMS regulated and approved**

**Survey D – Endocrinology
(1.5ml liquid serum/vial) \$100.00**

Analytes:

- 151 *Human Chor. Gonado. (hCG) only – Qual.
- 152 *Human Chor. Gonado. (hCG) only – Quan

**Survey E– Part A–Endocrinology
(5.0ml liquid serum/vial) \$400.00**

Analytes:

- 028 *Cortisol
- 139 Estradiol
- 141 Folate
- 029 Follicle Stimulating Hormone (FSH)
- 030 *Free Thyroxine
- 031 *Human Chorionic Gonado. (hCG) – Qual.
- 032 *Human Chorionic Gonado. (hCG) – Quan.
- 142 Human Luteinizing Hormone (hLH)
- 033 Insulin
- 034 Progesterone
- 035 Prolactin
- 173 *T3 Uptake
- 037 Testosterone
- 038 *Triiodothyronine
- 039 *Thyroid stimulating hormone (TSH)
- 040 *Thyroxine (T4)

**Survey E-
Special Test \$400.00(billed together
with Endo & Special tests) ****

Analytes:

- 068 CEA (Carcinoembryonic Antigen)
- 069 PSA (Prostate Specific Antigen)
- 070 PAP (Prostatic Acid Phosphatase)
- 071 Vitamin B¹²

**Survey F –
Vitamin D \$ 400.00**

- 178 Vitamin D

CHEMISTRY Challenges – 5 per shipment

Ship Dates: (2019) February – 4 June – 3 October – 1

Survey E- Part C- Toxicology	\$400.00(billed together with Endo & Special tests)
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Analytes:

- 041 Amikacin
- 042 *Carbamazepine
- 043 *Digoxin
- 045 Ferritin
- 046 *Gentamicin
- 048 *Lithium
- 049 *Phenobarbital
- 050 *Phenytoin
- 054 *Theophylline
- 056 *Valproic Acid
- 127 Vancomycin

Survey F – Glycohemoglobin (1.0ml lyophilized serum/vial)	\$200.00
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Analyte:

- 146 Glycohemoglobin

Survey G – Occult Blood (Simulated fecal/vial)	\$140.00
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Analyte:

- 154 Fecal Occult Blood

***CMS regulated and CMS approved**

Survey I – Urinalysis (5.0ml liquid urine/vial)	\$250.00
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Analytes:

- 057 Bilirubin
- 058 Glucose
- 059 Hemoglobin or Blood
- 060 Ketones
- 061 Nitrate
- 062 pH
- 063 Pregnancy Test (*)
- 064 Protein - Qualitative
- 065 Protein – Quantitative (24 hour)
- 066 Urobilinogen
- 067 Specific Gravity
- 150 Urine sediment (transparencies)

Survey J – Whole Blood Glucose (2.0ml Whole blood/vial)	\$150.00
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Ship Dates (2019)	March 4	July 8	Nov. 4
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Analyte:

- 157 *Whole Blood Glucose (For non-waived whole blood glucose meters)

HEMATOLOGY

Challenges – 5 per shipment

Ship Dates (2019)

March – 4

July – 8

November – 4

<p>Survey A- Hematology-General (Photomicrographs)</p>	<p>\$100.00</p>	<p>Survey E – Hematology – Reticulocyte Count (1.0ml Whole blood/vial)</p>	<p>\$210.00</p>
<p>Analyte: 072 *Cell identification</p>		<p>Analyte: 149 Reticulocyte Count</p>	
<p>Survey D – Hematology-General (3.0ml Whole blood/vial)</p>	<p>\$260.00</p>	<p>Survey F – Hematology –Eryth. Sedimentation Rate (ESR) (5.0ml whole blood/vial)</p>	<p>\$250.00</p>
<p>Analytes: 172 *Differential WBC for 5 param. instrument 075 *Erythrocyte Count (RBC) 076 *Hematocrit (Hct) 077 *Hemoglobin (HB) 078 *Leucocyte Count (WBC) 079 *Platelet Count</p> <p>*CMS regulated and CMS approved</p>		<p>Analyte: 153 Erythrocyte Sedimentation Rate (ESR)</p>	
		<p>Survey G – Coagulation (1.0ml lyophilized plasma/vial)</p>	<p>\$175.00</p>
		<p>Analytes: 080 *Fibrinogen 081 *Partial thromboplastin time (PTT) 082 *Prothrombin time (PT)</p>	
		<p>Survey H – Body Fluid Cell Count (2.0ml Stabilized human red and white blood cells in a preservative medium)</p>	<p>\$360.00</p>
		<p>Analytes: 159 BF Red Cell Count 160 BF White Cell Count 161 BF Differential Cell Count</p> <p>*CMS regulated and CMS approved</p>	

IMMUNOHEMATOLOGY

Challenges – 5 per shipment

Ship Dates (2019)	March – 4	July – 8	November – 4
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Survey A- Group and Type (1.5ml Whole blood/vial)</td> <td style="text-align: right; padding: 2px;">\$220.00</td> </tr> </table> <p>Analytes:</p> <p>083 *ABO group 126 *Rh (D) type</p>	Survey A- Group and Type (1.5ml Whole blood/vial)	\$220.00	
Survey A- Group and Type (1.5ml Whole blood/vial)	\$220.00		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Survey B – Indirect Coombs (1.5ml liquid serum/vial)</td> <td style="text-align: right; padding: 2px;">\$220.00</td> </tr> </table> <p>Analyte:</p> <p>084 *Unexpected antibody detection (Ind. Coombs)</p>	Survey B – Indirect Coombs (1.5ml liquid serum/vial)	\$220.00	
Survey B – Indirect Coombs (1.5ml liquid serum/vial)	\$220.00		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Survey C – Direct Coombs (1.5 ml whole blood vial)</td> <td style="text-align: right; padding: 2px;">\$150.00</td> </tr> </table> <p>Analyte:</p> <p>179 Direct Antiglobulin (Direct COOMBS) (Qualitative test)</p>	Survey C – Direct Coombs (1.5 ml whole blood vial)	\$150.00	
Survey C – Direct Coombs (1.5 ml whole blood vial)	\$150.00		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Survey D – Comp. Testing and Antibody Id (3.0ml patient liquid serum/vial) (1.5ml patient red cells/vial) (1.5ml donor red cells/vial)</td> <td style="text-align: right; padding: 2px;">\$240.00</td> </tr> </table> <p>Analytes:</p> <p>085 *Compatibility testing 086 *Antibody identification</p> <p>*CMS regulated and CMS approved</p>	Survey D – Comp. Testing and Antibody Id (3.0ml patient liquid serum/vial) (1.5ml patient red cells/vial) (1.5ml donor red cells/vial)	\$240.00	
Survey D – Comp. Testing and Antibody Id (3.0ml patient liquid serum/vial) (1.5ml patient red cells/vial) (1.5ml donor red cells/vial)	\$240.00		

IMMUNOLOGY – GENERAL

Challenges – 5 per shipment

Ship Dates (2019)		April – 1	August – 5	December – 2				
Survey A- Special Imm. I (1.0ml liquid serum/vial)		\$220.00	Survey E – Rubella Test (1.5ml liquid serum/vial)					
			\$100.00					
Analytes:			Analytes:					
094	*Complement C3		107	*Rubella - Qualitative				
095	*Complement C4		108	*Rubella – Quantitative				
099	*IgA							
100	*IgG							
102	*IgM							
Survey B – Special Imm. II (5.0ml liquid serum/vial)		\$365.00	Survey F – Syphilis Serology (1.0ml liquid serum/vial)					
			\$125.00					
Analytes:			Analytes:					
088	*Alpha - fetoprotein		109	*Qualitative Syphilis Serology				
101	*IgE		110	*Quantitative Syphilis Serology				
Survey C – ANA Test (1.5ml liquid serum/vial)		\$150.00	Survey G – H. Pylori (1.5ml liquid serum/vial)					
			\$225.00					
Analytes:			Analyte:					
089	*Antinuclear antibody (ANA) - Qualitative		Helicobacter pylori antibody					
090	*Antinuclear antibody (ANA) - Quantitative							
124	Antinuclear antibody (ANA) – Pattern id.							
Survey D – RA-MONO-ASOT-CRP Test (1.5ml liquid serum/vial)		\$225.00	Survey H – HIV and Hepatitis (2.0ml liquid serum/vial)					
			\$550.00					
Analytes:			Analytes:					
091	*Antistreptolysin O (ASOT) - Qualitative		093	*Anti-human Immunodeficiency Virus (HIV)				
092	*Antistreptolysin O (ASOT) – Semi Quantitative		096	*Hepatitis (HBsAg)				
144	C-Reactive Protein (CPR) - Qualitative		097	Hepatitis (anti HCV)				
145	C-Reactive Protein (CPR) - Quantitative		181	Hepatitis (anti-HAV) Total *****				
103	*Infectious Mononucleosis (Mono) – Qualit.		182	Hepatitis (anti-HBs)				
104	*Infectious Mononucleosis (Mono) – Quant.		183	Hepatitis (ant-HAV IgM) *****				
105	*Rheumatoid factor (RA) - Qualitative							
106	*Rheumatoid factor (RA) - Quantitative							
*CMS regulated and CMS approved			****These new anti HAV Hepatitis tests offering will be continued if enough enrollment participation is achieved					
			<table border="1"> <tr> <td>Ship Dates</td> <td>March 4</td> <td>July 8</td> <td>Nov. 4</td> </tr> </table>		Ship Dates	March 4	July 8	Nov. 4
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MICROBIOLOGY

Challenges – 5 per shipment

Ship Dates (2019)	April –1	August – 5	December – 2
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BACTERIOLOGY

Survey A- Bacteriology GS (Glass slide)	\$70.00
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Analyte:

111 *Gram Stain

Survey B – Bacteriology Direct Antigen detection (Swab with non- viable dried material)	\$110.00
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Analyte:

147 *Streptococcus pyogenes direct antigen
detec.

Survey C – Bacteriology Id. + Sens. (0.5ml lyophilized sample/vial)	\$310.00
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Analytes:

112 *Bacteriology - Identification
113 *Bacteriology – Antimicrobial Susceptibility
2 per shipment)

PARASITOLOGY

Survey A – Parasitology (Formalized samples, photomicro- graphs (2) and blood smears if available.	\$250.00
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Analyte:

121 *Presence or absence of parasites
120 *Identification of Parasites

VIROLOGY

Challenges – 5 per shipment

Ship Dates (2019)	April –1	August – 5	December – 2
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Survey A- Rapid Test	\$ 400.00
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Analytes:

176 * Influenza A & B Qualitative Rapid Test

***CMS regulated and approved**