

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

**CLINICAL LABORATORIES
PROFICIENCY TESTING PROGRAM
CATALOG 2021**



CHEMISTRY Challenges – 5 per shipment

Ship Dates (2021)	February – 1	May –3	October – 4
Survey A – Routine Chemistry (10.0ml lyophilized serum/vial) \$ 180.00		Survey C – Routine – Blood Gases (2.0ml ampules of aqueous material/vial) \$100.00	
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 CO ₂ 170 Direct Bilirubin		Analytes: 007 *Blood Gases - pCO ₂ 008 *Blood Gases - pH 009 *Blood Gases - pO ₂	
		Survey D – Endocrinology (1.5ml liquid serum/vial) \$100.00	
		Analytes: 151 *Human Chor. Gonado. (hCG) only – Quali. 152 *Human Chor. Gonado. (hCG) only – Quanti.	
		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) – Qualit. 032 *Human Chorionic Gonado. (hCG) – Quanti. 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 B ¹²	
		Survey F – Vitamin D \$ 400.00	
		178 Vitamin D	
*CMS regulated and approved			

CHEMISTRY Challenges – 5 per shipment

Ship Dates: (2021) February – 1 May – 3 October – 4

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)
- 164 Leukocyte

Survey J – Whole Blood Glucose (2.0ml Whole blood/vial)	\$170.00
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Ship Dates (2021)	March 1	June 7	Nov. 1
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Analyte:

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

HEMATOLOGY

Challenges – 5 per shipment

Ship Dates (2021)	March – 1	June – 7	November – 1
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Survey A- Hematology-General (Photomicrographs)	\$100.00
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Analyte:

072 *Cell identification

Survey D – Hematology-General (3.0ml Whole blood/vial)	\$280.00
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Analytes:

- 172 *Differential WBC for 5 param. Instrument
- 185 * Differential WBC for 6 param. Instrument
- 186 * Differential WBC for 3 param. Instrument
- 075 *Erythrocyte Count (RBC)
- 076 *Hematocrit (Hct)
- 077 *Hemoglobin (HB)
- 078 *Leucocyte Count (WBC)
- 079 *Platelet Count

***CMS regulated and CMS approved**

Survey E – Hematology – Reticulocyte Count (1.0ml Whole blood/vial)	\$250.00
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Analyte:

149 Reticulocyte Count

Survey F – Hematology –Eryth. Sedimentation Rate (ESR) (5.0ml whole blood/vial)	\$250.00
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Analyte:

153 Erythrocyte Sedimentation Rate (ESR)

Survey G – Coagulation (1.0ml lyophilized plasma/vial)	\$175.00
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Analytes:

- 080 *Fibrinogen
- 081 *Partial thromboplastin time (PTT)
- 082 *Prothrombin time (PT)

Survey H – Body Fluid Cell Count (2.0ml Stabilized human red and white blood cells in a preservative medium)	\$370.00
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Analytes:

- 159 BF Red Cell Count
- 160 BF White Cell Count
- 161 BF Differential Cell Count

***CMS regulated and CMS approved**

IMMUNOHEMATOLOGY

Challenges – 5 per shipment

Ship Dates (2021)	March – 1	June – 7	November – 1
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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;">\$275.00</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)	\$275.00	
Survey A- Group and Type (1.5ml Whole blood/vial)	\$275.00		
<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;">\$275.00</td> </tr> </table> <p>Analyte:</p> <p>084 *Unexpected antibody detection (Ind. Coombs)</p>	Survey B – Indirect Coombs (1.5ml liquid serum/vial)	\$275.00	
Survey B – Indirect Coombs (1.5ml liquid serum/vial)	\$275.00		
<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;">\$375.00</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)	\$375.00	
Survey C – Direct Coombs (1.5 ml whole blood vial)	\$375.00		
<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;">\$300.00</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)	\$300.00	
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)	\$300.00		

IMMUNOLOGY – GENERAL

Challenges – 5 per shipment

Ship Dates (2021)	April – 5	September – 13	December – 6
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Survey A- Special Imm. I (1.0ml liquid serum/vial)	\$325.00	Survey E – Rubella Test (1.5ml liquid serum/vial)	\$100.00
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- 094 *Complement C3
- 095 *Complement C4
- 099 *IgA
- 100 *IgG
- 102 *IgM

- 107 *Rubella - Qualitative
- 108 *Rubella – Quantitative

Survey B – Special Imm. II (5.0ml liquid serum/vial)	\$365.00
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- 088 *Alpha - fetoprotein
- 101 *IgE

Survey F – Syphilis Serology (1.0ml liquid serum/vial)	\$125.00
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- 109 *Qualitative Syphilis Serology
- 110 *Quantitative Syphilis Serology

Survey C – ANA Test (1.5ml liquid serum/vial)	\$150.00
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- 089 *Antinuclear antibody (ANA) - Qualitative
- 090 *Antinuclear antibody (ANA) - Quantitativ
- 124 Antinuclear antibody (ANA) – Pattern id.

Survey G – H. Pylori (1.5ml liquid serum/vial)	\$325.00
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- 155 Helicobacter pylori antibody

Survey D – RA-MONO-ASOT-CRP Test (1.5ml liquid serum/vial)	\$225.00
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- 091 *Antistreptolysin O (ASOT) - Qualitative
- 092 *Antistreptolysin O (ASOT) - Semi Quant
- 144 C-Reactive Protein (CPR) - Qualitative
- 145 C-Reactive Protein (CPR) - Quantitative
- 103 *Infectious Mononucleosis (Mono) Qualit.
- 104 *Infectious Mononucleosis (Mono) Quant.
- 105 *Rheumatoid factor (RA) - Qualitative
- 106 *Rheumatoid factor (RA) - Quantitative

Survey H – HIV and Hepatitis (2.0ml liquid serum/vial)	\$550.00
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Ship Dates	March 1	June 7	Nov 1
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- 093 *Antihuman Immunodeficiency Virus (HIV)
- 096 *Hepatitis (HBsAg)
- 097 Hepatitis (anti HCV)
- 181 Hepatitis (anti-HAV) Total *****
- 182 Hepatitis (anti-HBs)
- 183 Hepatitis (ant-HAV IgM) *****

Survey I – Mycoplasma	\$300.00
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- 548 Mycoplasma

Survey J – COVID-19	\$425.00
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- 548 COVID-19 Antibody

*** CMS regulated and CMS approved**

*****These new anti HAV Hepatitis tests offering will be continued if enough enrollment participation is achieved

MICROBIOLOGY

Challenges – 5 per shipment

Ship Dates (2021)	April –5	Sep-13	December – 6
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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:

120 *Concentrations preparations

VIROLOGY

Challenges – 5 per shipment

Ship Dates (2021)	April –5	September – 13	December – 6
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Survey A- Rapid Test	\$ 400.00
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Analytes:

*176 Influenza A Qualitative
*177 Influenza B Qualitative
*555 RSV – Respiratory Syncytial Virus

***CMS regulated and approved**