

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

**CLINICAL LABORATORIES
PROFICIENCY TESTING PROGRAM
CATALOG 2022**



CHEMISTRY Challenges – 5 per shipment

Ship Dates (2022)

February – 7

May – 2

October – 3

**Survey A – Routine Chemistry
(10.0ml lyophilized serum/vial) \$ 200.00**

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

***CMS regulated and approved**

**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

**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 B¹²

Survey F – Vitamin D \$ 400.00

- 178 Vitamin D

CHEMISTRY Challenges – 5 per shipment

Ship Dates (2022)

February – 7

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October – 3

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

Analytes:

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

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

- 146 Glycohemoglobin

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| Survey G – Occult Blood (Simulated fecal/vial) | \$150.00 |
|---|-----------------|

Analyte:

- 154 Fecal Occult Blood

***CMS regulated and CMS approved**

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| 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

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| Survey J – Whole Blood Glucose (2.0ml Whole blood/vial) | \$200.00 |
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Analyte:

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

HEMATOLOGY

Challenges – 5 per shipment

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|-------------------|-----------|----------|--------------|
| Ship Dates (2022) | March – 7 | June – 6 | November – 7 |
|-------------------|-----------|----------|--------------|

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| Survey A- Hematology-General (Photomicrographs) | \$100.00 |
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Analyte:

072 *Cell identification

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| Survey D – Hematology-General (3.0ml Whole blood/vial) | \$300.00 |
|---|-----------------|

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**

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

149 Reticulocyte Count

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

153 Erythrocyte Sedimentation Rate (ESR)

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| 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)

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

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

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|--------------------------|------------------|-----------------|---------------------|
| Ship Dates (2022) | March – 7 | June – 6 | November – 7 |
|--------------------------|------------------|-----------------|---------------------|

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|--|---|-----------------|--|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Survey A- Group and Type (1.5ml Whole blood/vial)</td> <td style="text-align: right; padding: 5px;">\$375.00</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) | \$375.00 | |
| Survey A- Group and Type (1.5ml Whole blood/vial) | \$375.00 | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Survey B – Indirect Coombs (1.5ml liquid serum/vial)</td> <td style="text-align: right; padding: 5px;">\$375.00</td> </tr> </table> <p>Analyte:</p> <p>084 *Unexpected antibody detection (Ind. Coombs)</p> | Survey B – Indirect Coombs (1.5ml liquid serum/vial) | \$375.00 | |
| Survey B – Indirect Coombs (1.5ml liquid serum/vial) | \$375.00 | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Survey C – Direct Coombs (1.5 ml whole blood vial)</td> <td style="text-align: right; padding: 5px;">\$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: 5px;">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: 5px;">\$375.00</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) | \$375.00 | |
| 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) | \$375.00 | | |

IMMUNOLOGY – GENERAL

Challenges – 5 per shipment

| Ship Dates (2022) | April – 4 | September – 12 | December – 5 |
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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 |
| 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 | Survey F – Syphilis Serology (1.0ml liquid serum/vial) | \$150.00 |
| 088 *Alpha - fetoprotein 101 *IgE | | 109 *Qualitative Syphilis Serology 110 *Quantitative Syphilis Serology | |
| Survey C – ANA Test (1.5ml liquid serum/vial) | \$150.00 | Survey G – H. Pylori (1.5ml liquid serum/vial) | \$325.00 |
| 089 *Antinuclear antibody (ANA) - Qualitative 090 *Antinuclear antibody (ANA) - Quantitative 124 Antinuclear antibody (ANA) – Pattern id. | | 155 Helicobacter pylori antibody | |
| 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 |
| 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 | | 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 |
| | | 548 Mycoplasma | |
| | | Survey J – COVID-19 | \$425.00 |
| | | 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 (2022) | April –4 | Sep-12 | December – 5 |
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BACTERIOLOGY

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

111 *Gram Stain

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

Analyte:

147 *Streptococcus pyogenes direct antigen
detec.

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|--|----------|
| 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

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|---|----------|
| Survey A – Parasitology (Formalized samples, photomicro- graphs (2) and blood smears if available. | \$260.00 |
|---|----------|

Analyte:

120 *Concentrations preparations

VIROLOGY

Challenges – 5 per shipment

| Ship Dates (2022) | April –5 | September – 12 | December – 5 |
|-------------------|----------|----------------|--------------|
|-------------------|----------|----------------|--------------|

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|----------------------|-----------|
| Survey A- Rapid Test | \$ 400.00 |
|----------------------|-----------|

Analytes:

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

***CMS regulated and approved**