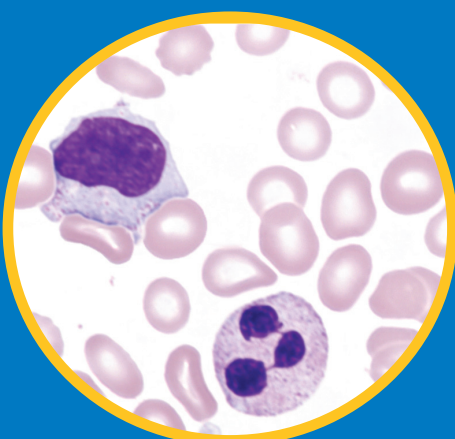
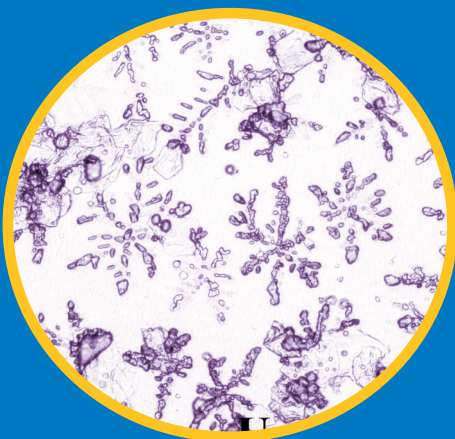
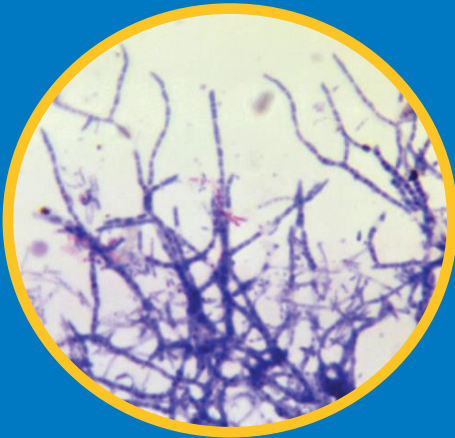




**2021**

## Proficiency Testing International Catalog

[acponline.org/mle](https://acponline.org/mle)

Approved by: CMS, COLA, TJC, U.S. State Agencies and  
International regulatory bodies.

## At a Glance

### Who is the Medical Laboratory Evaluation?

Medical Laboratory Evaluation (MLE) is part of the American College of Physicians (ACP) – a physicians' professional society with 159,000 members worldwide. MLE provides Proficiency Testing (PT) services for labs who perform diagnostic testing in the U.S. and throughout the world. We have distributors in 15 countries and are experienced with evaluating instruments/reagents used worldwide.

### What is Proficiency Testing?

Proficiency testing is a form of external quality assessment (EQA). It is the practice of testing specimens of unknown values sent from an outside source for cross-laboratory comparison. After submitting your results to MLE's Proficiency Testing program, you receive an evaluation report comparing your lab's performance with that of other laboratories using identical or similar testing methods. Through the proficiency testing process, you can identify problems and take corrective action before patient results are affected.

### Who are our Clients?

Our clients include Public Health Clinics, Hospital Laboratories, Outpatient Laboratories, Employee Healthcare Laboratories, and other clinical laboratories.

### Why Choose MLE?

- A wide range of testing analytes, covering most specialties of the clinical laboratory
- Consolidated service of 3 shipments per year
- Test Result Form (TRF) in Spanish (as applicable)
- Online result reporting and evaluation reports
- Participant Summaries available online—Print the entire summary or only the pages you need
- Evaluation reports online—Access to all your reports (past and current)
- FREE continuing education courses available online



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To place an order, submit requests to your MLE distributor.

Need help finding a local distributor? Contact MLE at [mle@acponline.org](mailto:mle@acponline.org) or check our website for the most up-to-date listing.

## How To Order

- Review your MLE catalog to determine the products which best meet your proficiency testing (PT) needs. Note any instructions that refer to specific instrument/method compatibility. Choose the product most appropriate for your testing needs. **Pay close attention to instrument compatibility notes when selecting hematology modules and coagulation modules.**
- Enroll early to ensure you receive shipments for the entire year. You may enroll anytime after the first event at a prorated cost depending on the availability of specimens.
- Complete the PT order form (page 19 of catalog). Photocopy the completed order form for your records. Send the original form to your MLE distributor. Within a few weeks you should receive an Order Verification.

**Note:** MLE cannot process your order directly. You must place your order through your MLE distributor.

The MLE products you order may contain pathogenic material. By returning the order form, you assume all risk and responsibility in connection with the receipt, handling, storage, use, and disposal of the products.

## Order Changes and Cancellations

**Written requests are to be sent directly to your MLE distributor.**

- **Additions or Cancellations:** All changes to an existing order must be submitted in writing to your MLE distributor before they can be entered into the order processing system. Send your order changes in writing at least eight weeks prior to the next shipping date to avoid additional shipping fees. MLE ships three times per year. You may enroll throughout the year.

**Note:** After the first event, module pricing is pro-rated. If you add a module less than eight weeks prior to the next shipping date, you may be subject to a "rush order" fee.

**If you cancel a module less than eight weeks prior to the next shipping date, you are financially responsible for the cost of the module for the next shipment.** You will NOT be financially responsible for subsequent shipments.

- **Cancelling the Entire Order:** We will cancel any unshipped specimens if we receive notification in writing eight weeks prior to the next shipping date. Once we have shipped orders, we cannot cancel the order. The annual administration fee is non-refundable.

# Hematology

Pay close attention to instrument compatibility notes when selecting hematology modules. Questions? Contact your MLE distributor. See the "Hematology Instrument List" online at [www.acponline.org/mle](http://www.acponline.org/mle) in the Enrollment Information & Forms section.

## 210 Hematology Module

### Five challenges each.

|                           |                        |
|---------------------------|------------------------|
| Blood Cell Identification | Platelet Count         |
| Hematocrit                | Red Blood Cell Count   |
| Hemoglobin                | White Blood Cell Count |

## 212 Hemoglobin/Hematocrit/WBC

### Five challenges each.

## 213 Hemoglobin/Hematocrit—**Waived**

For waived methods only.

### Two challenges each.

## 215 Hemoglobin/Glucose

For HemoCue only.

### Two challenges each.

## 223 Hematology with 5-part Differential

Compatible with most Abbott CELL-DYN 5-part differential instruments only.

### Five challenges each.

|                        |                        |
|------------------------|------------------------|
| Automated Differential | Platelet Count         |
| Hematocrit             | Red Blood Cell Count   |
| Hemoglobin             | White Blood Cell Count |

## 224 Sysmex with 3-part Differential

Compatible with Sysmex 3-part automated differential instruments only.

### Five challenges each.

|                        |                        |
|------------------------|------------------------|
| Automated Differential | Platelet Count         |
| Hematocrit             | Red Blood Cell Count   |
| Hemoglobin             | White Blood Cell Count |

## 225 Hematology with 3-part Differential

Compatible with most 3-part differential instruments EXCEPT Sysmex (see 224).

### Five challenges each.

|                        |                        |
|------------------------|------------------------|
| Automated Differential | Platelet Count         |
| Hematocrit             | Red Blood Cell Count   |
| Hemoglobin             | White Blood Cell Count |

## 226 Hematology with 5-part Differential

Compatible with most Beckman-Coulter 5-part differential instruments EXCEPT for the AcT 5diff (see 228).

### Five challenges each.

|                        |                        |
|------------------------|------------------------|
| Automated Differential | Platelet Count         |
| Hematocrit             | Red Blood Cell Count   |
| Hemoglobin             | White Blood Cell Count |

## 228 Hematology with 5-part Differential

Compatible with Beckman Coulter AcT 5diff and ABX Pentra 5-part differential instruments.

### Five challenges each.

|                        |                        |
|------------------------|------------------------|
| Automated Differential | Platelet Count         |
| Hematocrit             | Red Blood Cell Count   |
| Hemoglobin             | White Blood Cell Count |

## 229 Sysmex Hematology with 5 or 6-part Differential

Compatible with most Sysmex 5 or 6 part differential instruments only.

### Five challenges each.

|                        |                        |
|------------------------|------------------------|
| Automated Differential | Platelet Count         |
| Hematocrit             | Red Blood Cell Count   |
| Hemoglobin             | White Blood Cell Count |
| Immature Granulocytes  |                        |

**231 Blood Cell Identification**

Stand-alone module.

**Five challenges consisting of color photographs.**

**230 Blood Cell Identification (Add-On)**

Same as 231.

Only available with 223 through 229.

**240 Reticulocyte Count**

Compatible with automated and manual reticulocyte counting methods. Not for use with brilliant cresyl blue staining methods.

**Two challenges.**

**247 Sedimentation Rate**

Not for use with Sedimat 15 / 15 Plus.

Not compatible with Alcor ISED.

**Two challenges.**

**248 Sedimat 15 ESR**

Compatible with the Polymedco Sedimat 15 / 15 Plus instruments only.

**Two challenges.**

**250 Fluid Cell Count/Crystals**

Fluid for Hemocytometer cell count and color photographs for identification of crystals.

**Two challenges each.**

Crystal Screening

RBC Count

WBC Count

## Coagulation

**320 Coagulation Module**

Requires 1-mL pipette (see item 121 on page 15).

**Five challenges each.**

Fibrinogen

INR

Partial Thromboplastin Time

Prothrombin Time

**324 Roche CoaguChek XS INR**

Not for use with CoaguChek XS Plus/Pro.

**Two challenges.**

INR

**328 i-STAT Prothrombin Time**

Compatible with the i-STAT instruments only.

**Five challenges each.**

INR

Prothrombin Time

**330 CoaguChek XS Plus/Pro PT/INR**

For CoaguChek XS Plus/Pro only.

**Five challenges each.**

INR

Prothrombin Time

**331 CoaguChek XS Plus/Pro PT/INR—Waived**

For CoaguChek XS Plus/Pro only.

**Two challenges each.**

INR

Prothrombin Time

## Blood Bank

### 451 ABO & Rh Factor (D Type)

Not for use with slide methods.

**Five challenges each.**

### 452 Blood Bank 1

Not for use with slide methods.

**Five challenges each.**

ABO Group

Rh Factor (D Type)

Unexpected Antibody Detection

### 453 Blood Bank 2

Not for use with slide methods.

**Five challenges each.**

ABO Group

Antibody Identification

Compatibility Testing (Crossmatch)

Rh Factor (D Type)

Unexpected Antibody Detection

## Provider-Performed Microscopy

### 534 Provider-Performed Microscopy (PPM)

Color photographs depicting microscopic fields for the examination of:

Fecal Leukocytes (M2,M3)

Fern testing (M1,M3)

Nasal Eosinophils (M1,M2,M3)

Pinworms (M1,M2)

Scabies (M1,M2)

Sperm (M2,M3)

Vaginal KOH Preparations (M1,M3)

Vaginal Wet Mount Preparations (M1,M2,M3)

Six challenges total per shipment as indicated in parentheses above.

### 535 Provider-Performed Microscopy (PPM) (Add-On)

Same as 534. Only available with 530, 531, 532.

### 538 KOH Slides

Two fixed glass slides for determining the presence or absence of fungal elements in skin scrapings.

**Two challenges.**

# Urinalysis & Occult Blood

## 530 Urinalysis Module

**One challenge each unless otherwise noted in parentheses.**

|                              |                                   |
|------------------------------|-----------------------------------|
| Bilirubin                    | Nitrite                           |
| Blood/Hemoglobin             | pH                                |
| Glucose                      | Protein                           |
| Ketones                      | Specific Gravity                  |
| Leukocyte Esterase           | Urobilinogen                      |
| Microalbumin (dipstick only) | Urine Sediment Identification (2) |

## 531 Urinalysis Dipstick

hCG not included.

**One challenge each.**

|                              |                  |
|------------------------------|------------------|
| Bilirubin                    | Nitrite          |
| Blood/Hemoglobin             | pH               |
| Glucose                      | Protein          |
| Ketones                      | Specific Gravity |
| Leukocyte Esterase           | Urobilinogen     |
| Microalbumin (dipstick only) |                  |

## 541 Urine hCG

Stand-alone module.

**One challenge.**

## 540 Urine hCG (Add-On)

Same as 541.

Only available with 530, 531.

## 532 Urine Sediment Identification

**Two challenges consisting of photographs.**

## 533 Urine Sediment Identification (Add-On)

Same as 532. Only available with 531, 534.

## 539 Urine Microalbumin/Creatinine

Stand-alone module.

Compatible with quantitative and semi-quantitative (dipstick) methods.

**One challenge each.**

## 536 Urine Microalbumin/Creatinine (Add-On)

Same as 539. Only available with 530, 531.

## 542 Fecal Occult Blood

Stand-alone module.

**Two challenges.**

## 537 Fecal Occult Blood (Add-On)

Same as 542.

Only available with 530, 531.

## Waived Testing Packages

### 901 Waived and PPM Package

**Number of challenges noted in parentheses.**

|                        |                         |
|------------------------|-------------------------|
| Fecal Occult Blood (2) | Urine hCG (1)           |
| Hemoglobin (2)         | Urine Sediment (2)      |
| Hematocrit (2)         | Strep A Antigen (2)     |
| PPM (6)                | Whole Blood Glucose (2) |
| Urinalysis (1)         |                         |

### 902 Basic Waived and PPM Package

**Number of challenges noted in parentheses.**

|                               |                         |
|-------------------------------|-------------------------|
| Fecal Occult Blood (2)        | Urinalysis (1)          |
| PPM (6)                       | Urine hCG (1)           |
| Strep A Antigen Detection (2) | Urine Sediment (2)      |
|                               | Whole Blood Glucose (2) |

## Microbiology

**Note:** The specimens included may contain dangerous pathogens and must be treated with extreme care. These specimens must be handled and disposed of only by personnel trained to work with pathogenic microorganisms.

## Bacteriology

### 630 Bacteriology 1

Six cultures per shipment consisting of the following:

Antimicrobial Susceptibility Testing (1)  
Genital Culture (1)  
Gram Stain (2)  
Gram Stain Morphology (2)  
Miscellaneous Culture (3) \*  
Throat Culture (1)  
Urine Culture (1)

\*Possible sources include: Blood, CSF, Ear, Eye, Sputum, Stool, Wound.

### 640 Bacteriology 2

Antimicrobial Susceptibility Testing (1)  
Genital Culture (1)  
Gram Stain (2)  
Gram Stain Morphology (2)\*  
Strep A Antigen Detection (1)  
Throat Culture (2)  
Urine Culture (2)

### 651 Miscellaneous Cultures (Add-On)

Only available with 640 through 647, 652, 653.

Miscellaneous Culture (3)

Possible sources include: Blood, CSF, Ear, Eye, Sputum, Stool, Wound.

**643 Urine Culture**

Antimicrobial Susceptibility Testing (1)  
 Gram Stain (1)  
 Gram Stain Morphology (1)  
 Urine Culture (5)

**647 Urine Presumptive ID/Colony Count**

Best suited for paddle-dipping methods.

Antimicrobial Susceptibility Testing (1)  
 Colony Count (2)  
 Gram Stain (1)  
 Gram Stain Morphology (1)  
 Urine Presumptive Identification (5)

**648 Colony Count**

**Colony Count does not contribute to the minimum of five bacteriology challenges.**

No presumptive identification may be submitted for this module.

**Two challenges.**

**653 Genital/Urine Culture**

Antimicrobial Susceptibility Testing (1)  
 Genital Culture (3)  
 Gram Stain (2)  
 Gram Stain Morphology (2)  
 Urine Culture (2)

**646 Genital Culture**

Gram Stain (1)  
 Gram Stain Morphology (1)  
 Genital Culture (5)

**645 Urine/Throat Culture**

Antimicrobial Susceptibility Testing (1)  
 Gram Stain (1)  
 Gram Stain Morphology (1)  
 Throat Culture (2)  
 Urine Culture (3)

**652 Urine Presumptive ID/Throat Culture**

Best suited for urine paddle-dipping methods.

Antimicrobial Susceptibility Testing (1)  
 Colony Count (2)  
 Gram Stain (1) (directly from sample provided)  
 Gram Stain Morphology (1)  
 Urine Presumptive Identification (2)  
 Throat Culture (3)

**641 Throat Culture**

Not suitable for Strep A kits.

**Five challenges.**

**660 Strep A Antigen Detection**

Not suitable for culture.

**Five challenges.**

**662 Strep A Antigen Detection—Waived**

For waived Strep A Antigen Detection kits only.

**Two challenges.**

**650 Gram Stain**

Five fixed glass slides.

**Five challenges each.**

Gram Stain                      Gram Stain Morphology

**695 MRSA Culture**

Screening for the presence or absence of methicillin- resistant *Staphylococcus aureus* only.

**Five challenges.**

**686 Legionella Antigen Detection**

For use with Binax NOW Legionella Urinary Antigen Detection kits only.

**Five challenges.**

**687 Streptococcus pneumoniae Antigen Detection**

For use with Binax NOW Streptococcus pneumoniae Urinary Antigen Detection kit only.

**Five challenges.**

**682 *C. difficile*/Rotavirus Antigen Detection****Five challenges each.***C. difficile*                      Rotavirus**675 Chlamydia/GC (EIA, DNA)****Five challenges each.***Chlamydia trachomatis*  
*Neisseria gonorrhoeae***673 Chlamydia/GC (EIA, DNA)–Add-On**

Same as 675. Only available with 630 through 647, 652, 653.

**Two challenges.****668 Affirm VP III (DNA)****Five challenges each.***Candida* sp.                      *Trichomonas vaginalis*  
*Gardnerella vaginalis***692 Bacterial Vaginosis–Waived**

For Sekisui OSOM BVBlue Test

**Two challenges.**

Bacterial Vaginosis Screen

**693 Trichomonas vaginalis–Waived**

For Sekisui OSOM Trichomonas Rapid Test

**Two challenges.***Trichomonas vaginalis***Mycology****678 Dermatophyte Culture****Five challenges.****538 KOH Slides**

Two fixed glass slides for determining the presence or absence of fungal elements in skin scrapings.

**Two challenges.****Parasitology****683 Cryptosporidium/Giardia lamblia Antigen Detection****Five challenges each.**

Cryptosporidium                      Giardiasis lamblia

**690 PVA Slides (Add-on)****Two challenges.**

Zinc polyvinyl alcohol fixed glass slides for the identification of fecal parasites. Only available with 691.

**691 Parasitology**

Fecal Suspension (4)                      Blood Smear (1)

**Virology****681 Respiratory Antigen Detection****Five challenges each.**Influenza A                      RSV  
Influenza B**680 Respiratory Antigen Detection–Waived**

For waived kits only.

**Two challenges each.**Influenza A                      RSV  
Influenza B**688 SARS-CoV-2 Antigen****Two challenges.****689 SARS-CoV-2 Molecular****Two challenges.**

# Immunology

## 750 Immunology Module

### Five challenges each.

Anti-Streptolysin O (ASO)  
Infectious Mononucleosis  
Rheumatoid Factor

## 761 Infectious Mononucleosis/Rheumatoid Factor

### Five challenges each.

## 762 Infectious Mononucleosis

### Five challenges.

## 755 Infectious Mononucleosis—**Waived**

For waived Infectious Mononucleosis kits only.

### Two challenges.

## 751 Rheumatology Module

Number of challenges noted in parentheses.

C-Reactive Protein (2) (Not for high-sensitivity methods)  
Rheumatoid Factor (5)

## 763 Rheumatoid Factor

For IgG methods only.

### Five challenges.

## 764 C-Reactive Protein (CRP)

Not for high-sensitivity methods.

### Two challenges.

## 776 C-Reactive Protein (CRP)—Add-On

Not for high-sensitivity methods.  
Only available with 750.

## 765 High-Sensitivity C-Reactive Protein (HS-CRP)

### Two challenges.

## 777 High-Sensitivity C-Reactive Protein (HS-CRP)—Add-On

Only available with 750 and 751.

### Two challenges.

## 782 ANA Panel

### Five challenges each.

|             |              |
|-------------|--------------|
| ANA         | Anti-SSA     |
| Anti-dsDNA  | Anti-SSA/SSB |
| Anti-RNP    | Anti-SSB     |
| Anti-RNP/Sm | Anti-Sm      |

## 783 ANA Panel (Add-On)

Same as 782. Only available with 750 and 751.

## 784 Complement/Immunoglobulins

### Five challenges each.

|               |            |
|---------------|------------|
| Complement C3 | IgG, Total |
| Complement C4 | IgM, Total |
| IgA, Total    |            |

## 771 Rubella

For IgG methods only.

### Five challenges.

## 780 H. pylori Antibody Detection

### Two challenges.

## 781 Mycoplasma Antibody

### Two challenges.

## 792 SARS-CoV-2 Serology

### Two challenges.

**772 Syphilis Serology****Five challenges each.**

|        |      |
|--------|------|
| MHA-TP | RPR  |
| TPA    | VDRL |

**775 Viral Markers****Five challenges each.**

|                      |          |
|----------------------|----------|
| Anti-HAV (IgM)       | Anti-HCV |
| Anti-HAV (Total/IgG) | Anti-HIV |
| Anti-HBc (IgM)       | HBeAg    |
| Anti-HBc (Total/IgG) | HBsAg    |
| Anti-HBs             |          |

**791 Anti-HIV****Five challenges.****790 Anti-HIV—Waived**

For waived HIV kits only.

**Two challenges.****770 Specific Allergen Testing**

Number of challenges noted in parentheses.  
Includes 2 sets of samples for large volume requirements.  
Does not include Total IgE.

Allergen Specific IgE (14)

**773 Diagnostic Allergy**

Number of challenges noted in parentheses.

Allergen Specific IgE (14)  
Total IgE (5)

**786 Toxoplasma IgG/IgM****Two challenges.****788 Cytomegalovirus IgG/IgM****Two challenges.****905 Syphilis/Viral Marker Combination**

Includes 772 and 775.

**912 Rubella/Toxoplasma/CMV**

Includes 771, 786, and 788.

**910 Inflammatory Module****Five challenges unless noted in parentheses.**

Anti-Streptolysin O (ASO)  
C-Reactive Protein (2) - Not for high-sensitivity methods  
Rheumatoid Factor

## Chemistry

Pay close attention to instrument compatibility notes when selecting any of the chemistry modules.

If you need any assistance, contact your MLE distributor.

**810 Chemistry Module****Five challenges each.**

|                           |                       |
|---------------------------|-----------------------|
| Albumin                   | Glucose               |
| Alkaline Phosphatase      | Iron                  |
| Alpha-fetoprotein         | Lactate (Lactic Acid) |
| ALT (SGPT)                | LDH                   |
| Amylase                   | Lipase                |
| AST (SGOT)                | Magnesium             |
| Bilirubin, Direct         | Phosphorus            |
| Bilirubin, Total          | Potassium             |
| Calcium                   | Protein, Total        |
| Chloride                  | Sodium                |
| Cholesterol, HDL          | T3 Uptake             |
| Cholesterol, LDL - Calc   | Thyroxine (T4)        |
| Cholesterol, LDL - Direct | TIBC - Calc           |
| Cholesterol, Total        | TIBC - Direct         |
| CO2                       | Triglyceride          |
| Cortisol                  | Triiodothyronine (T3) |
| Creatine Kinase (CK)      | TSH                   |
| Creatinine                | UIBC - Direct         |
| Free T3                   | Urea Nitrogen         |
| Free Thyroxine (T4)       | Uric Acid             |
| GGT                       |                       |

**814 Basic Metabolic Panel****Five challenges each.**

|            |               |
|------------|---------------|
| Calcium    | Glucose       |
| Chloride   | Potassium     |
| CO2        | Sodium        |
| Creatinine | Urea Nitrogen |

### 813 Comprehensive Metabolic Panel

#### Five challenges each.

|                      |                       |
|----------------------|-----------------------|
| Albumin              | Lactate (Lactic Acid) |
| Alkaline Phosphatase | Magnesium             |
| ALT (SGPT)           | Phosphorus            |
| AST (SGOT)           | Potassium             |
| Bilirubin, Direct    | Protein, Total        |
| Bilirubin, Total     | Sodium                |
| Calcium              | TIBC - Calc           |
| Chloride             | TIBC - Direct         |
| CO <sub>2</sub>      | UIBC - Direct         |
| Creatinine           | Urea Nitrogen         |
| Glucose              | Uric Acid             |
| Iron                 |                       |

### 812 Waived Chemistry Panel

#### Two challenges each.

|                       |                      |
|-----------------------|----------------------|
| Albumin               | Creatine Kinase (CK) |
| Alkaline Phosphatase  | Creatinine           |
| ALT (SGPT)            | GGT                  |
| Amylase               | Glucose              |
| AST (SGOT)            | Phosphorus           |
| Bilirubin, Total      | Potassium            |
| Calcium               | Protein, Total       |
| Chloride              | Sodium               |
| Cholesterol, HDL      | Triglyceride         |
| Cholesterol, LDL-Calc | Urea Nitrogen        |
| Cholesterol, Total    | Uric Acid            |
| CO <sub>2</sub>       |                      |

### 833 Waived Chemistry Panel (Add-On)

Same as 812. Only available with 824.

### 824 Thyroid Profile

#### Five challenges each.

|                   |                       |
|-------------------|-----------------------|
| Alpha-fetoprotein | Thyroxine (T4)        |
| Cortisol          | Thyroxine (T4), Free  |
| T3, Free          | Triiodothyronine (T3) |
| T3 Uptake         | TSH                   |

### 841 Neonatal Bilirubin

#### Five challenges each.

|                   |                  |
|-------------------|------------------|
| Bilirubin, Direct | Bilirubin, Total |
|-------------------|------------------|

### 826 Lipid Profile

#### Five challenges each.

|                           |
|---------------------------|
| Cholesterol, HDL          |
| Cholesterol, LDL - Calc   |
| Cholesterol, LDL - Direct |
| Cholesterol, Total        |
| Triglyceride              |

### 811 Lipid Panel/Glucose - **Waived**

For waived testing ONLY.

#### Two challenges each.

|                               |
|-------------------------------|
| Cholesterol, LDL - Calculated |
| Cholesterol, HDL              |
| Cholesterol, Total            |
| Glucose                       |
| Triglyceride                  |

### 817 i-STAT Chemistry 1

#### Five challenges each.

|                  |                  |
|------------------|------------------|
| Calcium, Ionized | pCO <sub>2</sub> |
| Chloride         | pH               |
| Creatinine       | pO <sub>2</sub>  |
| Glucose          | Potassium        |
| Hematocrit       | Sodium           |
| Hemoglobin       | tCO <sub>2</sub> |
| Lactate          | Urea Nitrogen    |

### 818 i-STAT Chemistry 2

#### Five challenges each.

|                  |                  |
|------------------|------------------|
| Calcium, Ionized | Hemoglobin       |
| Chloride         | Potassium        |
| Creatinine       | Sodium           |
| Glucose          | tCO <sub>2</sub> |
| Hematocrit       | Urea Nitrogen    |

### 832 i-STAT Chemistry—**Waived**

#### Two challenges each.

|                  |                  |
|------------------|------------------|
| Calcium, Ionized | Hemoglobin       |
| Chloride         | Potassium        |
| Creatinine       | Sodium           |
| Glucose          | tCO <sub>2</sub> |
| Hematocrit       | Urea Nitrogen    |

**847 Blood Gases**

Compatible with the i-STAT analyzer as well as other blood gas instruments.

**Five challenges each.**

|                  |                 |
|------------------|-----------------|
| Chloride         | pH              |
| Calcium, Ionized | pO <sub>2</sub> |
| Lactate          | Potassium       |
| pCO <sub>2</sub> | Sodium          |

**831 Therapeutic Drugs (Add-On)**

Only available with 810.

**Five challenges each.**

|               |               |
|---------------|---------------|
| Acetaminophen | Phenytoin     |
| Carbamazepine | Salicylate    |
| Digoxin       | Theophylline  |
| Gentamicin    | Valproic Acid |
| Lithium       | Vancomycin    |
| Phenobarbital |               |

**835 Serum Alcohol/Acetone****Five challenges each.****836 Ammonia****Two challenges.****838 Blood Lead—Waived****Two challenges.****845 Cardiac Markers****Five challenges each. Quantitative only.**

|           |            |
|-----------|------------|
| BNP       | NT-proBNP  |
| CK-MB     | Troponin I |
| D-Dimer   | Troponin T |
| Myoglobin |            |

**846 BNP/D-Dimer****Two challenges each.**

|         |           |
|---------|-----------|
| BNP     | NT-proBNP |
| D-Dimer |           |

**860 Endocrinology/Hematology/Oncology****Two challenges each.**

|              |              |
|--------------|--------------|
| CEA          | LH           |
| DHEA-S       | Prealbumin   |
| Estradiol    | Progesterone |
| Ferritin     | Prolactin    |
| Folate       | Testosterone |
| FSH          | Transferrin  |
| Homocysteine | Vitamin B12  |

**863 Endocrinology 2**

Lyophilized samples.

**Two challenges each.**

|                                   |
|-----------------------------------|
| C-Peptide                         |
| Insulin                           |
| Parathyroid Hormone, Intact (PTH) |
| Vitamin D, 25-Hydroxy             |

**854 SHBG/Testosterone**

Lyophilized samples.

**Two challenges each.**

|                              |
|------------------------------|
| Sex Hormone Binding Globulin |
| Testosterone                 |
| Testosterone, Bioavailable   |
| Testosterone, Free           |

**861 PSA****Two challenges.****859 PSA (Add-On)**

Same as 861. Only available with 860.

**865 Serum hCG****Five challenges each.****866 Serum hCG (Add-On)**

Same as 865. Only available with 810, 813, 817, 818, 824, 826.

**862 Tumor Markers****Two challenges each.**

|                          |               |
|--------------------------|---------------|
| Beta (β)-2 Microglobulin | CEA           |
| CA 125                   | PSA           |
| CA 15-3                  | PSA, Free     |
| CA 19-9                  | Thyroglobulin |
| CA 27/29                 |               |

**864 Thyroid Antibodies****Two challenges each.**

Thyroglobulin Antibody  
Thyroid Peroxidase Antibody (TPO)

**850 Glycohemoglobin**

Not compatible with Afinion analyzer.

**Two challenges.****851 Afinion Glycohemoglobin****Two challenges.****870 Whole Blood Glucose****Five challenges.****871 Whole Blood Glucose—Waived****Two challenges.****906 Thyroid/Immunoassay/Tumor Marker Combo**

Includes 824, 860, and 862.

**907 Thyroid/Immunoassay/Tumor Marker/Serum hCG Combo**

Includes 824, 860, 862, and 865.

**867 Urine THC/Opiates****Two challenges - 10 ml each.**

For the qualitative detection of drugs in urine.

|              |         |
|--------------|---------|
| Cannabinoids | Opiates |
|--------------|---------|

**872 Urine Chemistry****Two challenges each.**

|            |                |
|------------|----------------|
| Amylase    | Phosphorus     |
| Calcium    | Potassium      |
| Chloride   | Protein, Total |
| Creatinine | Sodium         |
| Glucose    | Urea Nitrogen  |
| Magnesium  | Uric Acid      |
| Osmolality |                |

**868 Urine Drug Screen****Two challenges - 10 ml each.**

For the qualitative detection of drugs in urine.  
Each challenge will include one or more of the following:

|                                   |                                  |
|-----------------------------------|----------------------------------|
| Acetaminophen                     | MDMA                             |
| Amphetamines                      | Meperidine                       |
| Amphetamines/<br>Methamphetamines | Methadone                        |
| Barbiturates                      | Methamphetamines                 |
| Benzodiazepines                   | Methanol                         |
| Buprenorphine                     | Methaqualone                     |
| Cannabinoids (THC)                | 6-Monoacetylmorphine             |
| Carisoprodol                      | Opiates (Morphine<br>Trihydrate) |
| Cocaine Metabolites               | Oxycodone                        |
| Cotinine                          | Phencyclidine                    |
| EDDP                              | Propoxyphene                     |
| Ethanol (Alcohol)                 | Tramadol                         |
| Fentanyl                          | Tricyclic Antidepressants        |
| Hydrocodone                       | Zolpidem                         |
| LSD                               |                                  |

**873 Ethyl Glucuronide (EtG) (Add-On)**

Only available with 868.

**Two challenges.****874 Adulterated Urine (Add-On)**

Only available with 868.

Compatible with quantitative and semi-quantitative (dipstick) methods.

**Two challenges each.**

|            |                  |
|------------|------------------|
| Creatinine | Nitrite          |
| Oxidants   | Specific Gravity |
| pH         |                  |

## Continuing Education

**MLE CEexpress .....FREE**

MLE offers continuing education through COLA's LabUniversity®. MLE CEexpress courses are provided free of charge to MLE participants. Discounts available on COLA courses. Call MLE at [mle@acponline.org](mailto:mle@acponline.org) to learn more.

## Off-Schedule Proficiency Testing

Off-schedule proficiency testing (PT) provides laboratories with immediate, on-demand, customized proficiency testing for reinstatement or remedial purposes; a complement to the regularly scheduled PT program.

### Who Needs Off-Schedule Testing?

- Laboratories with unsuccessful performance for two out of three regular testing events may be required to perform off-schedule PT to lift a "cease-testing" order from their regulatory or accrediting agency. In these cases, two acceptable proficiency performances may be required for the lab to resume testing patients.
- Some laboratories use off-schedule PT to verify that corrective actions were effective. This service is available to every laboratory, regardless of MLE enrollment status.

For information on cost and availability, contact your MLE Distributor.

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# Proficiency Testing at its Best.

## What's New for 2021

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