

Understanding New York Proficiency Testing Requirements

Wednesday, October 18, 2017

The presentation will begin at 2:00 PM

October 19 2017

A question and answer period will follow the presentation.

- Please save your questions until then.
- Use the WebExQ/A feature to submit questions in writing.
- We may not be able to answer all questions in the allotted time.

All participants' phones will be muted during the webinar.



Topic: Understanding New York Proficiency Testing Requirements

Presenter: Derek Symula, Ph.D.

Director, Clinical Proficiency Testing Program

Date: Wednesday, October 18, 2017

Time: 2:00 pm, Eastern Daylight Time (New York, GMT-04:00)

This training session will include:

- •A review of the NY PT enrollment requirements
- •A description of the NY PT designation process
- •An explanation of the NY PT policy for molecular microbiology assays

**This training may be used as 1 hour of continuing education to fulfill Human Resources Sustaining Standard of Practice 10 (HR S10): Continuing Education.



NYS Clinical Proficiency Testing Requirements

Laboratories seeking or holding a NYS Clinical Laboratory Evaluation Program (CLEP) permit must enroll in and successfully participate in proficiency testing (PT) for certain analytes/tests.

These requirements derive from

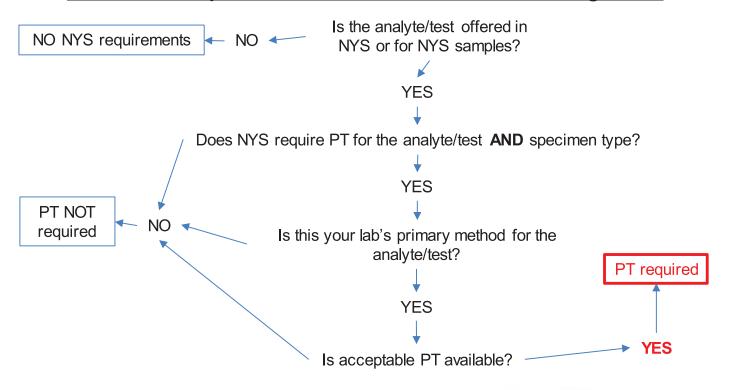
- CLIA Subpart H (42 CFR 493 subpart H) laboratory requirements
- CLIA Subpart I (42 CFR 493 subpart I) PT program requirements
- NYS clinical laboratory standards of practice PT F1 and PT S1-PT S14*
- NYS clinical laboratory standards of practice DIR S3 (I)*

"Proficiency testing" must be external, graded, and acceptable to NYS.

*Please see current General Systems Standards for exact text and guidance. https://www.wadsworth.org/regulatory/clep/clinical-labs/laboratory-standards



Does NYS Require PT for this Test? – Enrollment Algorithm





Is the analyte/test offered in NYS or for NYS samples?

Did you add the analyte/test to your laboratory's NYS test menu (and haven't deleted it)?

Laboratories located in NYS – test menu
Out of state laboratories – performed on NYS specimens

Special Circumstances

New Permits and New Categories

Once you have applied, your laboratory must enroll in PT for analytes/tests meeting criteria in the enrollment algorithm AND successfully participate in any PT in which it participates.

New tests

Applies to tests added to an existing category <u>and</u> new tests added as part of a new category.

Your laboratory must enroll in PT no later than the date you add the analyte/test to your test menu in eCLEP or add the category (if it meets all other criteria).

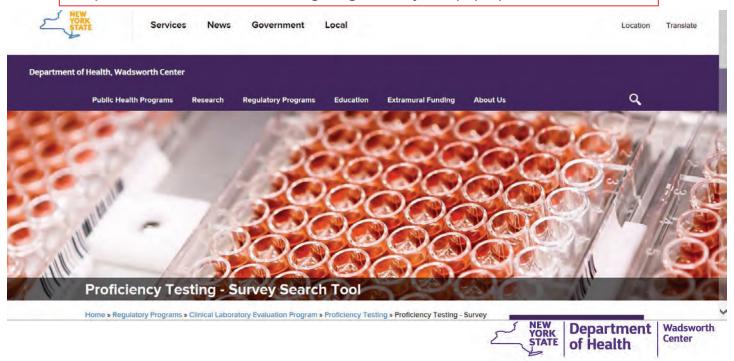
| Volume |

October 19, 2017

Does NYS require PT for the analyte/test AND specimen type?

NYS requires PT for analytes/tests described in CLIA subpart I Search tests that require PT:

https://www.wadsworth.org/regulatory/clep/pt/provider-search



<u>Does NYS require PT for the analyte/test AND specimen type?</u>

Bacteriology

Clinical Chemistry

Cytopathology – Gynecological Testing*

Blood pH and Gases

Diagnostic Immunology - Diagnostic Services Serology

Diagnostic Immunology - Donor Services Serology

Endocrinology

Forensic Identity**

Hematology – Cellular Hematology

Hematology - Coagulation

Hematology - Cytohematology Diagnostic

Immunohematology

Mycobacteriology

Mycology

Oncology – Human Papillomavirus (HPV) Testing

Oncology - Soluble Tumor Markers

Parasitology

Therapeutic Substance Monitoring/Quantitative Toxicology

Toxicology – Blood Lead – Comprehensive

Toxicology - Blood Lead - ASV Using Screen-Printed Sensors

Virology

Tests that require PT currently fall in these categories only

These categories ALSO include tests that DO NOT require PT

*Refer to CLEP Program Guide

**Refer to Forensic Identity requirements

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of Health

Does NYS require PT for the analyte/test AND specimen type?

NO TESTS IN THESE CATEGORIES CURRENTLY REQUIRE PT

Andrology

Cellular Immunology - Leukocyte Function

Cellular Immunology - Non-Malignant Leukocyte Immunophenotyping

Cellular Immunology - Malignant Leukocyte Phenotyping

Cytogenetics - Cancer

Cytogenetics - Prenatal

Cytogenetics - Restricted

Cytokines

Cytopathology - Non-Gynecological Testing

Fetal Defect Markers

Genetic Testing – Molecular

Genetic Testing – Biochemistry

Histocompatibility General

Histocompatibility HLA Typing Only

Histopathology – General

Histopathology – Oral Pathology

Histopathology – Dermatopathology

Oncology - Molecular and Cellular Tumor Markers

Forensic Toxicology – Initial Testing Only

Forensic Toxicology - Comprehensive

Clinical Toxicology – Qualitative Testing Only

Clinical Toxicology - Comprehensive

Trace Elements

Transplant Monitoring

Wet Mounts



Does NYS require PT for the analyte/test AND specimen type?

Bacteriology tests that require PT for 2018

- Identification of bacteria by culture
- Identification of bacterial meningitis pathogens by molecular methods
- Identification of blood pathogens by molecular methods
- Identification of gastrointestinal pathogens by molecular methods
- Identification of respiratory pathogens by molecular methods
- Chlamydia/Neisseria gonorrhoeae by direct detection
- Clostridium difficile direct detection
- Group A Streptococcus direct detection
- Group B Streptococcus direct detection
- Gram stains
- Susceptibility (bacterial) testing (AST)

- Identification of bacteria by culture OR molecular methods requires PT
- Molecular methods include PCR, "NAAT," sequencing, etc
- Molecular methods enroll in PT based on specimen source



Does NYS require PT for the analyte/test AND specimen type?

Mycobacteriology tests that require PT for 2018

- Identification of Mycobacteria by culture
- · Identification of Mycobacteria by molecular methods
- Acid fast smears
- Susceptibility (mycobacterial) testing

- Identification of mycobacteria by culture OR molecular methods requires PT
- Molecular methods include PCR, "NAAT," sequencing, etc
- · Susceptibility (mycobacterial) testing by culture OR molecular methods requires PT



Does NYS require PT for the analyte/test AND specimen type?

Mycology tests that require PT for 2018

- Cryptococcal antigen detection
- · Identification of fungi by culture
- · Identification of fungi by molecular methods

- Identification of fungi by culture OR molecular methods requires PT
- Molecular methods include PCR, "NAAT," sequencing, etc
- Identification of fungi includes but is not limited to identification of dermatophytes, molds, and yeast



Does NYS require PT for the analyte/test AND specimen type?

Parasitology tests that require PT for 2018

- Giardia/Cryptosporidium antigen detection
- Identification of parasites
- Identification of parasites using concentration preparations and/or permanent stains requires PT
- Identification of parasites by molecular methods DOES NOT require PT
- Identification of parasites includes but is not limited to malarial smears, identification of bloodborne parasites, and identification of tissue parasites.



Does NYS require PT for the analyte/test AND specimen type?

Virology tests that require PT for 2018

- Identification of virus by culture
- Identification of gastrointestinal viruses by molecular methods
- Identification of respiratory viruses by molecular methods
- Identification of viral meningitis by molecular methods
- Herpes simplex virus (HSV) direct detection
- Respiratory virus (influenza and RSV) direct detection
- Rotavirus direct detection

- Identification of viruses by culture OR molecular methods requires PT
- Molecular methods include PCR, "NAAT," sequencing, etc
- Molecular methods enroll in PT based on specimen source



Does NYS require PT for the analyte/test AND specimen type?

Clinical Chemistry tests that require PT for 2018

- Alanine aminotransferase (ALT)
- Albumin
- Alkaline phosphatase
- Amylase
- Aspartate aminotransferase (AST)
- Bilirubin, total
- Calcium, total
- Chloride
- Cholesterol, HDL
- Cholesterol, total
- Creatine kinase
- Creatine kinase MB
- Creatinine

- Glucose
- Iron
- Lactate dehydrogenase (LDH)
- LDH isoenzymes
- Magnesium
- Potassium
- Sodium
- Total protein
- Triglycerides
- Urea nitrogen (BUN)
- Uric acid



Does NYS require PT for the analyte/test AND specimen type?

Clinical Chemistry tests that require PT for 2018

Tests for these analytes/tests in serum, plasma, or blood specimens require PT.

Tests for these analytes/tests in ANY other specimen type, including urine, do NOT require PT.

Tests for ANY other clinical chemistry analytes/tests, regardless of specimen type, do NOT require PT.

Endocrinology* and TSMQT analytes/tests that require PT only require PT if performed on serum, plasma, or blood specimens.



Does NYS require PT for the analyte/test AND specimen type?

Diagnostic Immunology – Diagnostic Services Serology tests that require PT for 2018

- alpha-1 antitrypsin (AAT)
- antinuclear antibody (ANA)
- antistreptolysin O (ASO)
- C3
- C4
- Hepatitis B core antibody (anti-HBc)
- Hepatitis Be antigen (HBeAg)
- Hepatitis B surface antigen (HBsAg)*
- Human immunodeficiency virus*
- IgA
- IgE
- IgG
- IgM
- Heterophile (infectious mono)
- Rheumatoid Factor
- Rubella Ab
- Syphilis

*HIV screening AND confirmation each require PT.

You must perform confirmation on PT samples as you would for patient samples. Generally, this means confirming just the screen-positive samples. Also applies to HBsAq.

New for 2018

HIV – no longer broken out by screening, confirmation, HIV-1, HIV-2, etc

ANA, ASO, Rheumatoid Factor – no longer broken out by qual, quant, etc.



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Does NYS require PT for the analyte/test AND specimen type?

Hematology tests that require PT for 2018

<u>Hematology – Cellular Hematology</u>

Hematology - Cytohematology Diagnostic

- Hematocrit
- Hemoglobin
- Platelet count
- Red blood cell count (RBC)
- White blood cell count (WBC)
- White cell differential (Automated)

White cell differential (Manual)

Automated differential and manual differential are different tests. Each requires PT.



Is this your lab's primary method for the analyte/test?

Primary method

The method your laboratory routinely uses to test patient samples for the analyte/test.

Includes:

Tests that have a screening step and a confirmation step – each of these has a primary method.

Not a primary method

A method used when the primary method is not available



<u>Is acceptable PT available?</u>

- Acceptable Providers
- Acceptable Surveys (products)
- Method/sample matrix issues



Is acceptable PT available?

Acceptable PT Providers for satisfying NYS requirements

- ACCUTEST, INC. (aka OneWorld Accuracy)
- AMERICAN ASSOCIATION OF BIOANALYSTS (AAB)
- AMERICAN PROFICIENCY INSTITUTE (API)
- THE COLLEGE OF AMERICAN PATHOLOGISTS (CAP)
- MEDICAL LABORATORY EVALUATION (MLE) PROGRAM (American College of Physicians)
- COMMONWEALTH OF PENNSYLVANIA
- PUERTO RICO PROFICIENCY TESTING SERVICE
- WSLH Proficiency Testing Program



Is acceptable PT available?

Acceptable Surveys for satisfying NYS PT requirements

Mycobacteriology

- Minimum five samples per event
- Minimum two events per year

All other categories (required PT)

- Minimum five samples per event
 - Microbiology varies by analyte/test
 - All others five samples for EACH analyte/test
- Minimum three events per year



Is acceptable PT available?

Method/sample matrix issues

Rarely, your laboratory will offer a test that requires PT, but your method will not be compatible with any of the acceptable PT surveys. In that situation, your laboratory is not required to enroll in PT.

- Discuss with ALL of the acceptable PT providers before concluding PT is not available.
- Discuss with NYS

ptadmin@health.ny.gov

518-408-9125



Is acceptable PT available?

Waived Testing

Performed in a comprehensive clinical laboratory? Requires PT per enrollment algorithm?

If "yes" for both questions, your laboratory MUST enroll in acceptable PT.

"PT for waived methods" surveys that are fewer than three events per year and five samples per event do not satisfy NYS requirements.



What if your test does NOT require PT?

Your laboratory <u>must</u> comply with **Quality Assessment Sustaining Standard of Practice 3 (QA S3): Ongoing Verification of Examination Accuracy:**

- Have a system to verify "reliability and accuracy" of tests that don't require PT
- Verify at least twice annually
- Evaluate verification results
- Perform corrective action under certain circumstances

You may satisfy QA S3 by voluntarily enrolling in external PT. Regulatory consequences of failure are the same as for required PT.

Please see current General Systems Standards for exact text and guidance. https://www.wadsworth.org/regulatory/clep/clinical-labs/laboratory-standards



What if NYS requires PT for your test?

You must:



Enroll in PT

Successfully participate in PT

Designate = notify NYS of PT provider and product to be used to satisfy PT requirements



Designate PT

Designation period for calendar year 2018 October 23 – November 3, 2017

Includes any tests:

- currently on your laboratory's test menu
- in categories that you have applied to add to your permit
- in categories included in a new permit application

For permits, categories, or tests added after the designation period, you will be contacted for designation information.

DESIGNATIONS ARE BINDING. NYS will verify participation.



Designate PT

Designation Process

Health Commerce System

eCLEP

Proficiency Testing

PT Designation

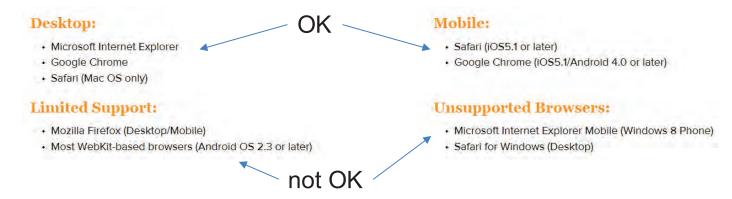
You must have an HCS account. Laboratory directors have HCS accounts. Others in your laboratory also may have HCS accounts.

HCS questions or password issues?
Commerce Accounts Management Unit
(CAMU) - camu@its.ny.gov
or 1-866-529-1890 option 1

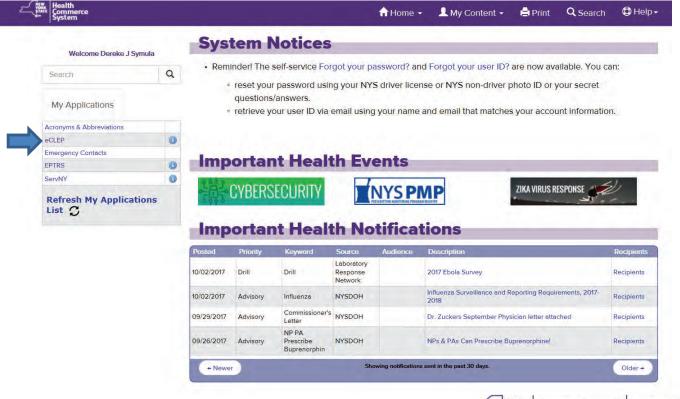
Designate PT

Loading...

Most technical issues are due to your web browser. Mozilla Firefox <u>and</u> older versions of Microsoft Internet Explorer are problems. Try a different browser.

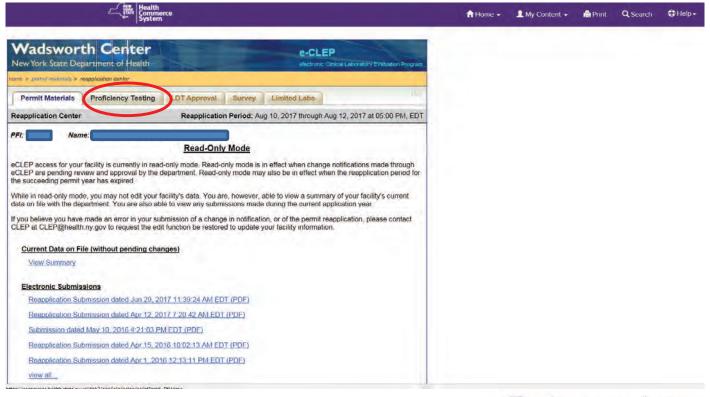






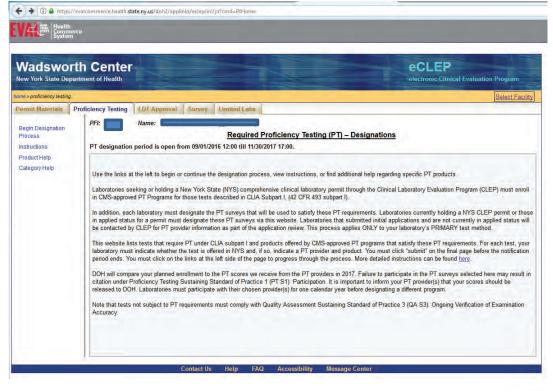








Designate PT



Begin
Designation
Process

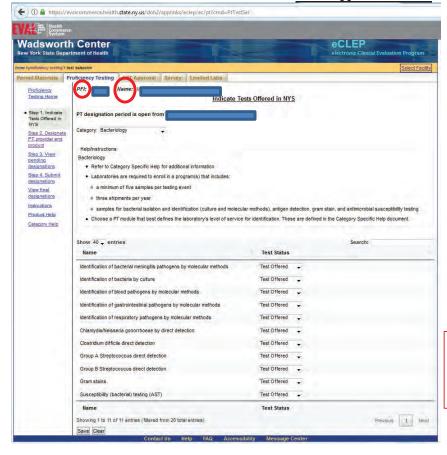
Instructions

Product Help

Category Help



Designate PT



Step 1. Indicate Tests Offered in NYS

- verify laboratory
- choose a category
- only categories that require PT and are held or applied for will appear

"Help Bullets"

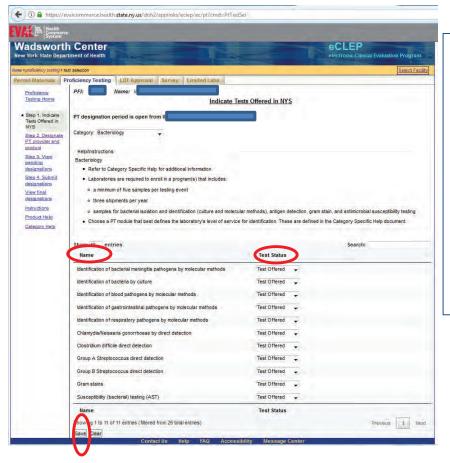
dropdown menus

- choose an item
- no free-text

Confirm data entered last year if available. Enter new as needed.



Designate PT



Step 1 continued

Test Status:

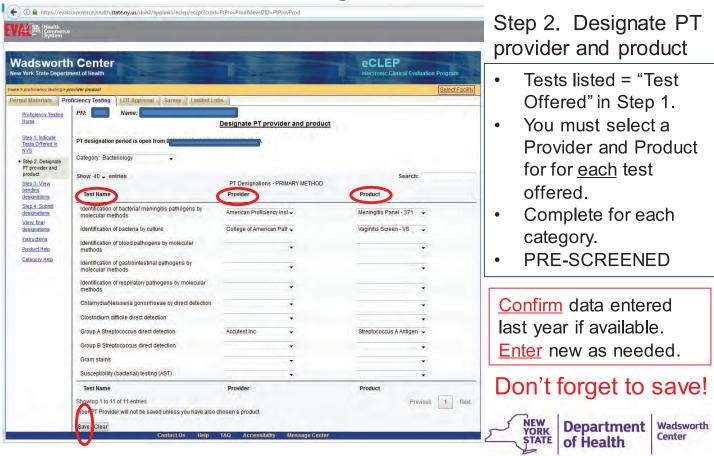
Select "Test Offered" if your laboratory offers a test in NYS or for NYS samples that meets <u>all</u> criteria in enrollment algorithm.

Select "Test Not Offered" otherwise.

You must select a Test Status for <u>each</u> test.

Don't forget to save!





Designate PT

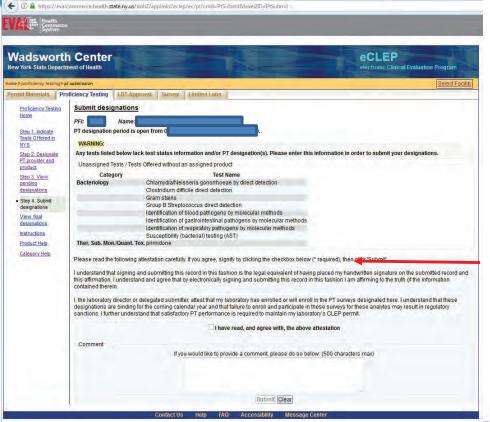


Step 3. View Pending Designations

Review tests
Review PT Provider
and Product







Step 4. Submit designations

Review your designations before submitting.

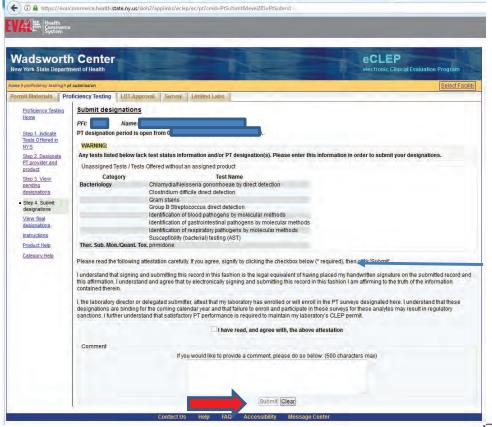
eCLEP will not let you submit your designations if you have not selected a Test Status for each test <u>AND</u> selected a PT provider <u>and</u> product for each test offered.

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Designate PT

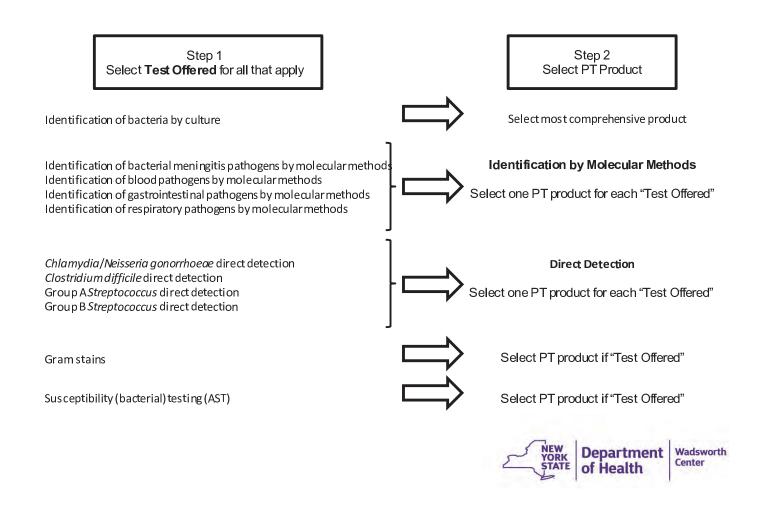


Step 4. continued

Director or delegated submitter must attest and submit.

Your designations will not be official – even if saved – until you submit.





Designate PT

<u>Microbiology – choosing PT products</u>

Bacteriology

You may be able to designate the same PT provider and product for multiple tests.

- Identification of Bacteria -

If there is not a single product available that tests proficiency in all tests, designate the most comprehensive product that allows your laboratory to test ~all culture samples in each event.



Designate PT

<u>Microbiology – choosing PT products</u>

Bacteriology

- Antigen Detection -

Designate a product for each test offered.

- Gram stains -

Designate a product that includes Gram stains.

- Susceptibility (bacterial) testing (AST) -

Designate a product that includes susceptibility testing.



Designate PT

<u>Microbiology – choosing PT products</u> Bacteriology

Laboratories that offer only Gram stain

- designate a product that requires Gram staining for at least five samples.

Laboratories that offer only Gram stain and ID by culture for throat and urine samples.

- designate a single product (minimum five samples) that requires Gram staining for at least one sample and ID by culture in a least one throat or urine sample (edit: minimum fives samples for ID). Individual events may include only throat samples or only urine samples and may include different organisms.



Designate PT

Microbiology – choosing PT products Bacteriology

Laboratories that offer Gram stain, comprehensive ID by culture, direct detection, and susceptibility

- designate a single product (minimum 5 samples) that requires
- Gram staining at least one sample
- ID by culture for a wide variety of sample sources for at least five samples
- · direct detection in at least one sample
- susceptibility testing in at least one sample
- Different events may include different sample sources and organisms.
- Designate this product for each analyte/test.



Designate PT

Microbiology – choosing PT products Bacteriology

OR

- designate a product for Gram stain that requires Gram staining for at least five samples AND
- designate a second product for ID by culture that requires ID by culture for a wide variety of sample sources for at least five samples AND
- Designate a third product for direct detection, five samples AND
- Designate a fourth product for susceptibility, five samples
- Different events may include different sample sources and organisms.



Recurrent issues

Designation \(\dph\) Enrollment

Laboratory doesn't enroll in any PT for the test - citation under PT S1

Laboratory must enroll later or update test menu

Laboratory enrolls in a different, unacceptable PT - citation under PT S1

- Remember, designations are binding
- Make sure you know you want to enroll in it before designating it
- Be careful of surveys for waived methods

Laboratory enrolls in a different, but acceptable PT - citation under PT S1



Recurrent issues

Additional samples

Some providers allow laboratories to purchase <u>duplicate</u> samples for a product (e.g. two set of the <u>same</u> samples).

- Do not test these samples <u>before</u> the event deadline for an analyte reported for the PT event <u>unless</u> that is what you do for patient samples.
- These duplicate samples can be used <u>after</u> the event deadline for QA S3, competency, etc.



More Frequently Asked Questions

Can I change my PT designation?

 No. PT designations are binding for the calendar year. You can only change them for reasons related to changes in testing. For example, switching to a new method/kit/instrument that is not compatible with your current PT product would justify changing PT.

Can I take off-cycle PT?

 Yes, though this is typically done as remediation. Any off-cycle PT must be provided by the designated provider for that analyte/test.

Do I need to send my enrollment or results to NYS?

 No. You must authorize your PT provider to send results to NYS.



Questions?

ptadmin@health.ny.gov

518-408-9125

