



# laboratory education module

# topics

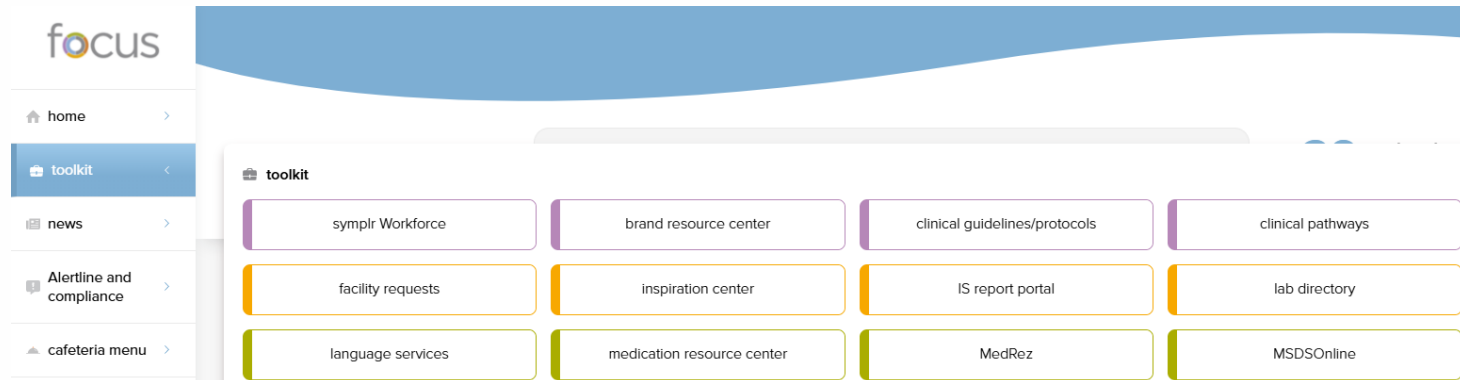
- Laboratory test directory
- How To modules
  - Ordering, Registration
  - Collection, Labeling, Transport
  - Results, Reporting
  - Preventing Rejected Specimens
- Section specific info
- Laboratory Stewardship Committee

# contact

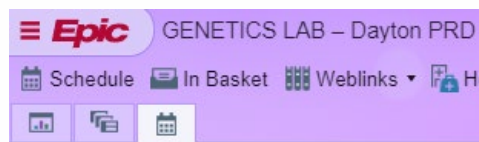
- Laboratory phone (available 24/7): 937-641-5100
- Community providers please call: 937-641-5740

# laboratory test directory

- Icon on every DCH computer
- [www.testmenu.com/daytonchildrens](http://www.testmenu.com/daytonchildrens)
- focus toolkit



- Epic weblinks



# laboratory test directory



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✕ Find a test by name, number, synonym, or CPT

Search

Browse A-Z

Test search

Dayton Children's Hospital Laboratory Test Directory

## PREFERRED VS MINIMUM BLOOD COLLECTION VOLUMES

- The **preferred volume** optimizes testing and allows the laboratory to quickly process the specimen, perform the test, and repeat testing, if necessary. If possible, please submit the preferred volume.
- The **minimum volume** is the amount required to perform an assay once and does not allow for repeat testing. Minimum volumes may be necessary when venipuncture is technically difficult or the patient is at risk of complications from blood loss.

TEST MENU CHANGES  
(previous month)

## TEST ANNOUNCEMENTS

**07/10/25:** Erythrocyte sedimentation rates (ESR) will **NOT** be performed in-house until further notice.

**03/05/25:** New Acceptable Anaerobe Swab.

Existing Swab (DISCONTINUED): BD BBL Vacutainer Anaerobic Specimen Collector



NEW Swab: BBL CultureSwab Plus Collection & Transport System for Aerobes & Anaerobes

- The new swab has a blue cap and clear gel in the bottom.
- It may be used for either aerobic or anaerobic cultures.
- Both orders can be run from the same swab.

[New\(1\)](#)  
[Updated\(22\)](#)

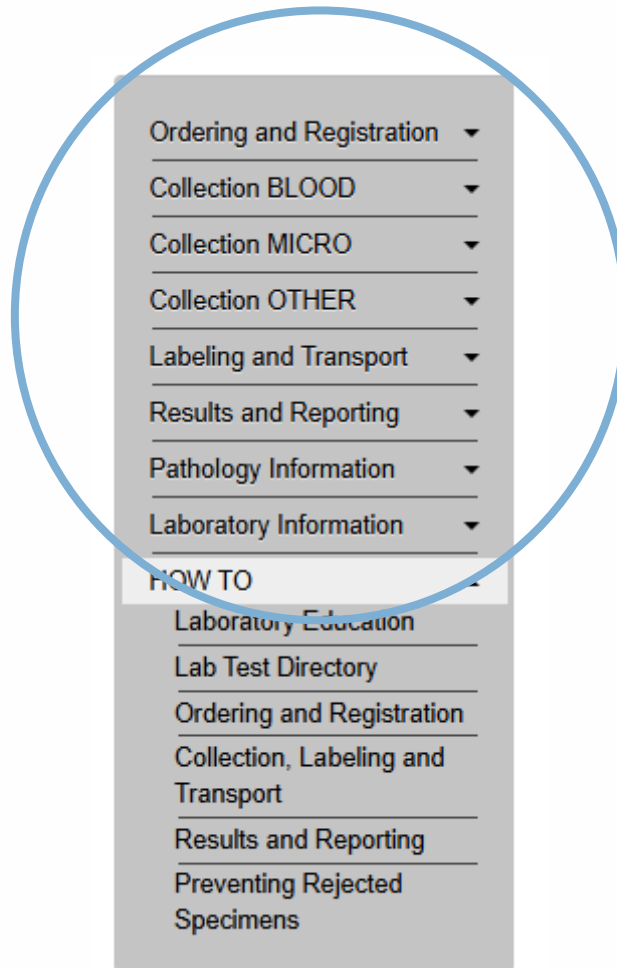
[Allergy Testing\(86\)](#)  
[Chemistry\(189\)](#)  
[Genetics\(32\)](#)  
[Hematology\(43\)](#)  
[Microbiology\(62\)](#)  
[Point of Care\(4\)](#)  
[Serology\(4\)](#)  
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[Virology\(31\)](#)  
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[Send-Outs\(608\)](#)

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Tests by lab section

Ordering and Registration ▾  
Collection BLOOD ▾  
Collection MICRO ▾  
Collection OTHER ▾  
Labeling and Transport ▾  
Results and Reporting ▾  
Pathology Information ▾  
Laboratory Information ▾  
HOW TO ▾

# policies, procedures, tip sheets

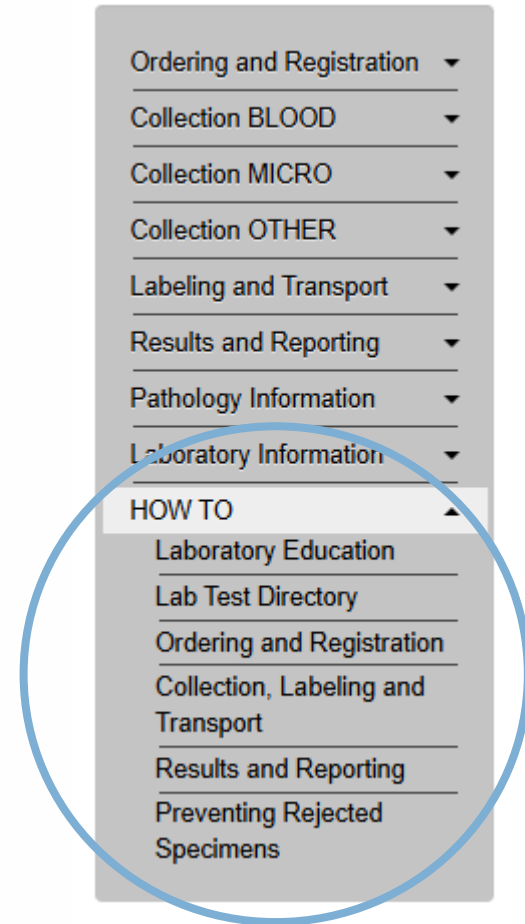
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# how to modules

- Laboratory Test Directory
- Ordering, Registration
- Collection, Labeling, Transport
- Results, Reporting
- Preventing Rejected Specimens

Lower sidebar



# lab section information



# phlebotomy and processing

- Collect, register, and receive specimens
- Prioritize and process specimens for testing
- Answer phone calls
- Process send-out testing
- Perform waived and POC testing

# chemistry

- Sweat testing
  - For outpatients, call central scheduling or pulmonary
  - Coordinated with pulmonary appointments whenever possible
- Lead testing - results are reported to Ohio Department of Health
- Ammonia and Lactic Acid specimens - send on ice

# genetics

- Newborns through adults
- Genetic testing requires prior authorization and consent
- Please submit a consult or referral
- Prefer outpatient testing if non-emergent
- Exceptions for medically urgent and hem/onc tests
- 7-day delay on results to MKC

# hematology

- Bone marrow

- Small group of lab staff only on dayshift who are trained to assist
- Notify lab of pending collection
- Place orders in EPIC prior to collection

- Body fluids

- Cell counts and differentials performed manually
- A single sample is commonly shared amongst many departments and must be tested sequentially

- Coag testing

- Imperative that the tube volume ratio is correct for accurate test resulting

# microbiology

- Culture TAT
  - Organisms are grown from the specimen provided
  - TAT varies based on microorganism's growth rate
  - Negative cultures dependent on required incubation time
- Blood cultures
  - Monitored for growth every 15 minutes
  - Staff have 1 hour to notify the provider of positive results
  - Line collections and peripheral blood collections have separate test codes
- Tissues and fluids are preferred over swabs from tissue/fluid sources
- Cultures should be collected prior to antibiotic treatment
- Collect ova and parasite tests in Total Fix (black lid container)
- Never use viral transport media for bacterial culture

# pathology

- Pathology orders are ordered through Optime or handwritten
- Orders are not entered into the Epic System
- There are four types of specimens:
  - Routine: submitted in formalin (most common)
  - Fresh: submitted without formalin
  - Frozen: submitted fresh (no formalin) for a frozen section
  - Cytology: fluids
- Larger specimens and bone specimens submitted may be held for fixation as well as specimens received after 4pm. Do not leave fresh specimens overnight.

# point of care testing

- Only trained staff are approved to perform testing
- Each user must complete Workday module(s) annually
- Glucometers – each user must perform quality control at least once every 12 months to avoid being locked out
- iSTAT - dock at least daily
- Right spot - must be charted in EPIC by trained clinical staff performing the test

# transfusion services

- Pre-transfusion testing specimen labeling requirements
  - Name, MRN, Collection date, collector tech code, time, and final check code from blood bank armband
- Antibody screen results (pos or neg) determine how quickly pRBCs can be crossmatched
  - Type and Screen - order when need for blood transfusion is uncertain
  - Crossmatch - order when high likelihood of transfusion or when there is a current or historically positive antibody screen on a patient



# virology and molecular infectious disease

- Swabs for PCR testing must be labeled with the source/site of the specimen and **MUST** be placed in viral transport media (VTM)
- Quantiferons are collected in a set of four special tubes.
  - If unfamiliar with tubes and draw procedure, please contact the lab for assistance or schedule for a lab draw (preferred)
  - Specimens must incubate at least 16 hours before testing
- All positives PCR for *C. difficile* is are confirmed using *C. diff* cytotoxin assay, the gold standard for testing

# laboratory stewardship committee

- [Hospital policy G-12](#)
- Analyzes ordering data to improve utilization (right test, right method)
- Meet second Wednesday of Mar, Jun, Sep, Dec at 0700
- [labstewardship@childrensdayton.org](mailto:labstewardship@childrensdayton.org)