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Idaho Bureau of Laboratories Clinical Forum

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In with the New, Out with the Old

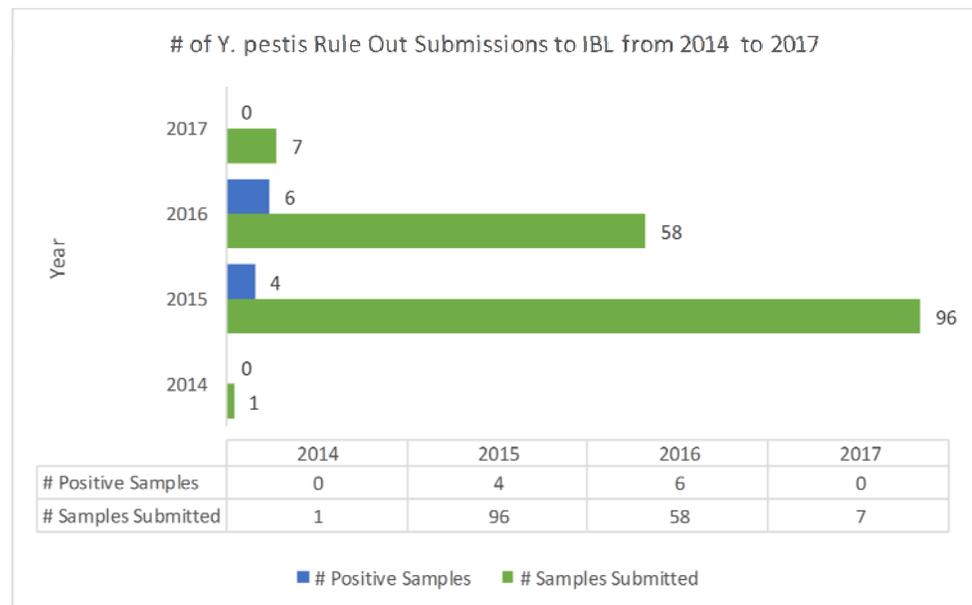
Idaho Bureau of Laboratories (IBL) has made the following changes to the test menu. Please update your laboratory's referral process accordingly:

- Zika virus IgM serum testing can be performed at IBL on submissions that are part of an active public health district or state epidemiology investigation. Samples not part of an epidemiological investigation should be referred to a commercial reference laboratory.
- Rickettsia Real-Time PCR assay is now

available for the qualitative detection and differentiation of *R. rickettsii* and *R. prowazekii* DNA extracted from venous whole blood preserved with EDTA or acid citrate dextrose Solution A (ACD-A). This assay is intended for use with specimens from individuals with signs or symptoms indicative of Rocky Mountain spotted fever (RMSF), epidemic typhus, or other rickettsial infections and epidemiological risk factors consistent with potential exposure. Positive assay re-

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Submissions for Y. pestis Rule Out



This chart represents the total number of Y. pestis rule out sample submissions from the last four years. The number of positive samples is also noted for each year. As of October 13, 2017, no samples have tested positive for Y. pestis this year.



Clinical Forum
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In with the New, Out with the Old

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sults are presumptive for the identification of *R. rickettsii* and *R. prowazekii* nucleic acid sequences.

- See Page 3 for information about new services for Carbapenem Resistant Enterobacteriaceae (CRE) and Carbapenem Resistant *Pseudomonas aeruginosa* (CRPA).
- Enterovirus culture is no longer offered at IBL. Please refer these samples to the appropriate commercial lab. Acute Flaccid Myelitis (AFM) test samples can be forwarded to CDC through IBL with **prior approval**.
- Mumps culture has been replaced with the Mumps virus RT-PCR.
- Herpes and Varicella culture are no longer offered. Please refer samples to the appropriate commercial laboratory.
- Mumps IgM, Rubella IgM, and Varicella IgM antibody tests are no longer offered. Testing could possibly be reinstated in outbreak investigation instances but would require prior notification.
- West Nile Virus and St. Louis Encephalitis by Microsphere Immunoassay (MIA) serum or CSF testing will no longer be offered. Please submit these samples to the appropriate commercial laboratory. West Nile IgG and IgM antibody testing of serum only is still offered on patients exhibiting neurologic symptoms.

Contacting Idaho Bureau of Laboratories

There are multiple ways to contact the Clinical and Microbiology departments at the Idaho Bureau of Laboratories (IBL).

We have a new email: IBLClinical@dhw.idaho.gov.

- This email can be used to give notification of samples being sent to IBL for clinical testing or if you have a clinical testing question (e.g., tuberculosis, virology, serology).

A general IBL email is also available: statelab@dhw.idaho.gov.

Please use the following phone numbers to contact IBL staff:

- General Clinical (Virology & Serology) – 208-334-0589
- General Microbiology (Bacteriology) – 208-334-0517
- Environmental Microbiology – 208-334-0516
- Influenza testing – 208-334-0594
- LRN-B Lab – 208-334-0515
- Reference Bacteriology – 208-334-0514
- Rabies Lab – 208-334-0593
- TB Lab (Mycobacteriology) – 208-334-0592

See the updated Idaho Bureau of Laboratories Contact List on the last page of this newsletter for additional contact information.

Antibiotic Resistance Laboratory Network

Matthew Burns

The Idaho Division of Public Health is proud to be working with the Centers for Disease Control and Prevention (CDC) to implement the Antibiotic Resistance Laboratory Network (ARLN). The ARLN links health care providers, laboratories, and public health authorities to an expanded range of targeted antimicrobial resistance testing. The goal is to understand the nature of existing threats, prevent their spread, and keep stakeholders informed on growing resistance trends in the US. As part of ARLN activities, the Idaho Bureau of Laboratories (IBL) has updated their carbapenem resistance testing methods and is now offering a suite of molecular resistance mechanism testing.

The ARLN’s top priority is Carbapenem Resistant Enterobacteriaceae (CRE) and Carbapenem Resistant *Pseudomonas aeruginosa* (CRPA). If your lab observes a pathogen with any of the resistance patterns listed below, please forward the isolate to IBL for confirmation and mechanism testing. View the *Bacteria, Aerobic Sampling and Submission Guide*, available at www.statelab.dhw.idaho.gov, for sample requirements and shipping instructions when submitting these samples to IBL.

Pathogen	Minimum inhibitory Concentration			
	Doripenem	Imipenem	Meropenem	Ertapenem
<i>Klebsiella</i>	≥ 4µg/mL	≥ 4µg/mL	≥ 4µg/mL	≥2µg/mL
<i>Enterobacter</i>	≥ 4µg/mL	≥ 4µg/mL	≥ 4µg/mL	≥2µg/mL
<i>Escherichia coli</i>	≥ 4µg/mL	≥ 4µg/mL	≥ 4µg/mL	≥2µg/mL
<i>Pseudomonas aeruginosa</i>	≥ 4µg/mL	≥ 4µg/mL	≥ 4µg/mL	
ANY ORGANISM	with resistance to all antibiotics tested at your lab			

IBL and the ARLN greatly appreciate your help in facing this challenge to our healthcare system. For questions or concerns, please contact Matthew Burns at 208-334-0567 or Matthew.Burns@dhw.idaho.gov.



Ask the CLIA Auditor: Access to Lab Test Reports

Jennifer Street

Recent changes in healthcare reform and the HIPAA Privacy Rule have changed the methods by which individuals can access their personal health information, including access to their laboratory test reports. However, if the laboratory is receiving payments under Medicare, the laboratory must follow the required certification requirements regarding test ordering and results.

Q: What are the CLIA regulations on requesting results when not listed as a submitter on the test requisition?

A: As stated in 42 CFR §493.1291 (f), *test results must be released only to authorized persons and, if applicable, the persons responsible for using the test results and the laboratory that initially requested the test.*

The term authorized person is defined by CLIA in 42 CFR §493.2, as *individuals authorized under State law to order tests or receive test results, or both.* The State of Idaho does not have state laws regulating the release of laboratory data; therefore, CLIA-registered laboratories within the state of Idaho must comply with the CLIA regulations at 42 CFR §493.1291 (f).

The final CLIA rule, effective April 2014, identifies that completed test reports be made available to the patient or the patient's personal representative, or a person designated by the patient, by using the laboratory's authentication process (if an identification system has been established) and if that representative can be identified as belonging to that patient. In addition, 45 CFR 164.524(c)(3)(ii) defines individuals or entities with specific right of access and/or denial of access.

Often patient tests are sent to reference laboratories for testing. It is the responsibility of the reference laboratory to transmit the laboratory data back to the authorized person or individual responsible for using the test results. Once the laboratory results have been transmitted, manually or electronically, the laboratory's CLIA responsibility ends.

In layman's terms, the regulations state that anyone licensed to practice medicine in Idaho who can order and interpret tests within their scope of practice is able to request and receive test results. They also state that anyone who is designated by an authorized provider can receive test results. In addition, the patient can receive their test results after completing the laboratory's authentication process, and anyone designated by the patient can also receive the test results. Entities that are covered under the HIPAA Privacy Rule can also request test results from laboratories.

If you have specific questions pertaining to your situation, please call Jennifer Street with the State of Idaho, Laboratory Improvement Section at 208-334-0547 or email Jennifer.Street@dhw.idaho.gov.

For further information regarding test request or test report authorization, please refer to [42 CFR 493](https://www.gpo.gov/fdsys/granule/CFR-2011-title42-vol5/CFR-2011-title42-vol5-sec493-1291/content-detail.html) (<https://www.gpo.gov/fdsys/granule/CFR-2011-title42-vol5/CFR-2011-title42-vol5-sec493-1291/content-detail.html>) for all CLIA regulations and [Laboratory Interpretative Guidelines](https://www.cms.gov/Regulations-and-Guidance/Guidance/Manuals/Downloads/som107ap_c_lab.pdf) (https://www.cms.gov/Regulations-and-Guidance/Guidance/Manuals/Downloads/som107ap_c_lab.pdf).

Lab Safety Outreach

Michael Stevenson, PhD

During 2017, Idaho Bureau of Laboratories (IBL) has given several lab safety workshops to sentinel labs across the state. The purpose of the workshop is to promote an increased lab safety awareness that supports the “culture of safety” message given by the Centers for Disease Control and Prevention (CDC) since the Ebola outbreaks in 2014. Supported by grant funds, the workshop covers topics including the following:

- IBL Overview – public health lab testing capabilities, training, outreach
- Lab Safety – biological and chemical safety, open bench versus biosafety cabinet work
- Risk Management – hazard identification, risk assessment and mitigation
- Biosafety Cabinet Use – initial cabinet setup, proper use, decontamination
- Personal Protective Equipment (PPE) Use – lab coats, gloves, eye protection
- Packaging and Shipping Infectious Substances – Category A versus B, triple packaging

Almost all sentinel labs in the state have received in-class training or were provided in person a binder with these presentations. The most recent workshop was in Coeur d’Alene on November 17 and was divided into a morning and afternoon session. The morning session covered highlights of the above topics with exercises on completing a hazard risk assessment and PPE donning and doffing. The afternoon session expanded the packaging and shipping module to provide more formal training on Division 6.2 Infectious Substances; this training aided participants to become a certified shipper (the CDC aims for each lab to have at least two certified shippers).

In addition, IBL staff are visiting labs throughout the state to provide more lab safety resources and gifts including labeled chemical squirt bottles, a Glo Germ kit to test the efficiency of removing lab gloves, and a Wizard smoke stick for those who use biosafety cabinets! If you would like to help facilitate a workshop in your region, please contact Michael Stevenson at 208-334-0569 or michael.stevenson@dhw.idaho.gov.

KyMBER Hunt, Laboratory Technician



My name is KyMBER Hunt, I am the new laboratory technician here at Idaho Bureau of Laboratories (IBL). I graduated from Boise State University this spring with a degree in Environmental Studies and spent my summer collecting water samples for Idaho Department of Water Resources and IBL, which led me to this position. I am really excited to be here and look forward to getting to know everyone and learning how to be a great lab tech!

I live by the foothills with my 9-year-old son in a home we share with our furry and amphibious pets. In my free time, I like to play games or do projects with the kiddo, hike and explore the trails nearby, go camping with bonus activities like berry picking or mushroom hunting, read about most anything, and try out new recipes.

To be added

or removed

from the

Clinical Forum

email list:

statelab@dhw.idaho.gov

Welcome!

IBL's littlest member, Roman Henry, joined the Loumeau family in August. He was 7 pounds, 13 ounces, 20.5 inches and is adored by all, especially his big sisters!



Angelo Sanfilippo, Developmental Scientist



Hello! My name is Angelo Sanfilippo and I'm the latest addition to Laboratory Improvement section. I am an Idaho resident of almost three decades and will soon acquire my Master of Science degree from Boise State University where I studied environmental microbiology under Dr. Kevin Feris. I'm super excited to work in public health and am grateful for the opportunity.

I live in Boise with my beautiful wife, two beautiful cats, a beautiful dog, and six beautiful ducks and chickens. My wife is from Houston, Texas and I've taken great pleasure in showing her and our dog-daughter around our state over the past few years. In my free time, I enjoy auto repair and restoration, amateur wood and metal working, cooking and baking, and a whole slew of other random hobbies.

HAPPY HOLIDAYS FROM IBL STAFF!



Back row: Angelo Sanfilippo, Vonnita Barton, Kymber Hunt, Gabe Kimlinger, Lacey Bennion, Steve Gregoire, Michael Stevenson, Lavanya Vempati, Kari Getz, Kara Deobald; Middle row: Jay Conn, Susan Russell, Kimberly Dillon, Jenny Street, Christopher Ball, Amanda Bruesch, Ashley Machado, Cina Brown, Lisa Lam; Front row: Robert Voermans, Matthew Burns, Wendy Loumeau



Idaho Bureau of Laboratories **Contact List**

2220 Old Penitentiary Rd.
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Phone: 208-334-2235
Fax: 208-334-4067
Website: www.statelab.idaho.gov
After Hours Contact, StateComm: 1-800-632-8000
General Email: statelab@dhw.idaho.gov

Area of Expertise	Name	Phone	Email
Chemical Threat	Dan Rousselle	208-334-0570	Daniel.Rousselle@dhw.idaho.gov
CLIA Questions	Cina Brown	208-334-0528	LabImprovement@dhw.idaho.gov
Clinical Section*	General Questions	208-334-0589	IBLClinical@dhw.idaho.gov
Section Manager	Vonnita Barton	208-334-0589	Vonnita.Barton@dhw.idaho.gov
Tuberculosis (TB Culture, TB NAAT)	Steve Gregoire	208-334-0592	Stephen.Gregoire@dhw.idaho.gov
Virology (norovirus, CaliciNet, hepatitis B, syphilis, rubeola, rubella)	Kari Getz	208-334-0589	Kari.Getz@dhw.idaho.gov
Virology (influenza)	Kimberly Dillon	208-334-0594	Kimberly.Dillon@dhw.idaho.gov
Virology (rabies)	Kari Getz	208-334-0593	Kari.Getz@dhw.idaho.gov
Virology (West Nile virus, measles, mumps, pertussis, hantavirus, varicella zoster, HIV)	Kimberly Dillon	208-334-0589	Kimberly.Dillon@dhw.idaho.gov
Environmental Chemistry	Ernie Bader	208-334-0590	Ernest.Bader@dhw.idaho.gov
Microbiology Section*	General Questions	208-334-0517	Robert.Voermans@dhw.idaho.gov
Section Manager	Robert Voermans	208-334-0555	Robert.Voermans@dhw.idaho.gov
Bacteriology (reference bacteriology, enterics, <i>Campylobacter</i> , <i>E. coli</i> , <i>Salmonella</i> , Shiga toxin, <i>Shigella</i> , staph, crypto/giardia)	Rachel Beukelman	208-334-0514	Rachel.Beukelman@dhw.idaho.gov
Biological Threat, Select Agents, Food Samples	Erin Peterson	208-334-0515	Erin.Peterson@dhw.idaho.gov
Molecular Epidemiology (PulseNet, sequencing, molecular serotyping)	Rachel Beukelman	208-334-0517	Rachel.Beukelman@dhw.idaho.gov
Sentinel Laboratory Proficiency Exercises, Trainings	Wendy Loumeau	208-334-0558	Wendy.Loumeau@dhw.idaho.gov
Shipping	Jay Conn	208-334-0503	Jay.Conn@dhw.idaho.gov
Web Portal	Kara Deobald	208-334-0585	Kara.Deobald@dhw.idaho.gov

*Preferred mode of communication for this section is email. Please cc section manager for all emails sent to this section.