Montana Department of Public Health and Human Services Diagnostic Testing for Suspect Influenza, 2021-22 Season Laboratory Guidance

Appropriate treatment of patients with respiratory illness depends on accurate and timely diagnosis. Early diagnosis of influenza can reduce the inappropriate use of antibiotics and provide the option of using antiviral therapy. Due to the Covid-19 pandemic, we may have limited capacity and may not be able to perform all influenza testing in-house on a daily basis. MTPHL will remain focused on Covid testing and influenza surveillance, as long as resources are available.

_			
Spec	imen	Coll	lection

	Specimens should be collected within 24-72 hours of symptoms onset. After 3 days, the viral shedding is reduced, and may no longer be detectable, depending on the assay.
	Respiratory Specimens (nasopharyngeal swabs, throat swabs, nasal swabs, combination NP/Throat swabs) must be
	submitted in Universal Transport Media (UTM) or Viral Transport Media (VTM) in a cold condition.
	Failure to submit in UTM or VTM will cause the specimen to be rejected as an unsatisfactory specimen.
	Do not submit a swab or residual fluid that has been used for Rapid Influenza Diagnostic Tests (RIDTs); these will
	be rejected as an unsatisfactory specimen. A second swab must be collected and submitted in UTM.
	UTM and VTM can be ordered directly from the state warehouse through the following link.
	https://phep.formstack.com/forms/testing_supplies_request
	NOTE: Most media can be stored at room temperature before specimen collection, but please check to make sure
	media is being stored appropriately. After the specimen has been introduced to the transport media, the specimen
	should be stored at refrigerator temperature and transported to the MTPHL in a cold condition. Please freeze if there
	is going to be a delay in transport >3 days.
	Specimen can be transported via courier or the mail as a Biologic Substance, Category B, and should be received within 48 hours of collection.
Rapid	Influenza Diagnostic Tests (RIDTs)
	The sensitivity of RIDTs for detecting Influenza, when compared with viral culture or RT-PCR, range from 50-
	70%, according to package inserts. A negative RIDT result does not rule out an Influenza virus infection.
	Specificities, as stated in package inserts range from 90-95%.
	Depending on the prevalence of Influenza in the community, positive and negative predictive values vary
	considerably. False positives are more likely to occur when disease prevalence is low, and false negatives
	are more likely to occur when disease prevalence is high.
	MTPHL will confirm positive RIDT results by PCR. If the specimen is positive for Influenza A, subtyping will be
	performed. If the specimen is positive for Influenza B, genotyping will be performed to identify the lineage.
	Specimens from patients testing negative for Influenza with a rapid test should be referred for more sensitive testing (RT
	PCR) if determined by the clinician to be highly suspect of Influenza.
Fees	
	ostic influenza testing is still being offered at a reduced rate for the 2021-2022season. The fee for an Influenza A and B
	creen (CPT code 87502) will be \$55. All Influenza A positive specimens will be subtyped (CPT code 87503; \$33) and all
	za B specimens will be genotyped (CPT code 87503; \$33) to identify the lineage.
viiai Ci	ulture is no longer available at MTPHL.

Requisition Form

- On the standard forms, order Influenza A and/or Influenza B PCR under the Molecular Testing section, **not under surveillance**. If using a COVID form, <u>please write in that you want influenza testing and highlight</u>, so we do not miss it.
 - In addition to the regular information, please include:
 - Results of Rapid Influenza Testing (if known)
 - If the person is hospitalized, vaccinated, or other pertinent information

Turn Around Time

• Turnaround time is expected to be less than 48 hours from specimen receipt, although this time may vary due to the Covid-19 pandemic.

If you have any questions, please call the Montana Public Health Laboratory at 1-800-821-7284.