

**MAUI DISTRICT HEALTH LABORATORY**  
**SPECIMEN SUBMISSION REQUIREMENTS FOR**  
**SARS-CoV-2, INFLUENZA A/B, RESPIRATORY SYNCYTIAL VIRUS (RSV)**

<u>TESTS:</u>	Real-time (rti) reverse transcription polymerase chain reaction (rRT-PCR) Multiplex test for the qualitative detection of nucleic acid from SARS-CoV-2, Flu A, Flu B and RSV in nasopharyngeal or anterior nasal swab specimens
<u>SPECIMEN RECEIVING:</u>	Specimens for <i>SARS-CoV-2, Flu A/B, RSV</i> will be accepted from Monday thru Friday 8 AM to 3 PM, except on holidays.
<u>TURN AROUND TIME:</u>	1-2 Business Days, after approval and receipt of specimens
<u>SPECIMEN SUBMITTERS:</u>	Disease Investigation Branch (DIB) or approved submitter with permission from Disease Outbreak Control Division (DOCD).
<u>SPECIMEN REQUIREMENTS:</u>	
SPECIMEN COLLECTION	<p>A. Nasopharyngeal Swab Collection Procedure  Insert the swab into either nostril, passing it into the posterior nasopharynx. Rotate swab by firmly brushing against the nasopharynx several times. Remove and place the swab into the tube containing 3 mL of viral transport medium (VTM) or Universal Transport Medium (UTM). Break swab at the indicated break line and cap the specimen collection tube tightly.</p> <p>B. Anterior Nasal Swab Collection Procedure  Insert a nasal swab 1 to 1.5 cm into a nostril. Rotate the swab against the inside of the nostril for 3 seconds while applying pressure with a finger to the outside of the nostril. Repeat on the other nostril with the same swab, using external pressure on the outside of the other nostril. To avoid specimen contamination, do not touch the swab tip to anything other than the inside of the nostril. Remove and place the swab into the tube containing 3 mL of viral transport medium (VTM) or Universal Transport Medium (UTM). Break swab at the indicated break line and cap the specimen collection tube tightly.</p> <p>C. Mid-Turbinate Nasal Swab Collection Procedure  Insert the mid-turbinate nasal swab into either nostril, passing it into the mid-turbinate area. Rotate swab by firmly brushing against the mid-turbinate area several times. Remove and place the swab into the tube containing 3 mL of viral transport medium (VTM) or Universal Transport Medium (UTM). Break swab at the indicated break line and cap the specimen collection tube tightly.</p> <p>Follow specimen collection device manufacturer instructions for proper collection methods. Use only Dacron tip swabs with an aluminum or plastic shaft. [Calcium alginate swabs or cotton swabs with wooden sticks are unacceptable because they may cause PCR inhibition and may contain substances that inactivate or may be toxic to some viruses].</p> <p>The sample is properly labeled with patient name, date of birth, unique identifier, collection site, date of collection, and collection media.</p>
STORAGE	Nasopharyngeal swab, anterior nasal swab, and mid-turbinate nasal swab specimens can be stored refrigerated (2–8 °C) up to five days in Viral Transport Medium (VTM) or Universal transport Medium (UTM). Samples collected in Universal transport Medium (UTM) should Not be frozen. Only specimens in VTM can be reflexed to the State Laboratory for further workup.

**SPECIMEN TRANSPORT**

Deliver chilled specimens to: Maui District Health Laboratory [121 Mahalani Street, Wailuku, HI 96793] during business hours [see specimen receiving times]. Keep specimens chilled with cold packs to maintain 2–8 °C temperature. Follow packing & shipping instructions of the U.S. Department of Transportation (U.S. DOT) and the International Aviation and Transportation Association (IATA) for Biological Substances, Category B. Submitters are responsible for transport to the laboratory.

REQUISITION FORM:

Specimens must be submitted with the appropriate *81.3 Form*. Include the Influenza specimen submission form as specified by DIB. The requisitions must legibly include - Patient Name, Date of Birth (Unique Identifier), Date of Collection, Specimen type (NP or Nasal swab), and Submitter info. [Agency, Ordering Physician, Address, and Phone]. The labelled specimen tube must match the requisition form with which it is submitted. The form is kept in a separate compartment from the sealed sample.

NORMAL VALUES:

SARS-CoV-2 nucleic acid not detected = Negative  
Influenza A nucleic acid not detected = Negative  
Influenza B nucleic acid not detected = Negative  
RSV nucleic acid not detected = Negative

RESULT NOTIFICATION:

Laboratory reports are sent to Maui Disease Investigation Branch; the SARS-CoV-2 results are also entered in the Laboratory Reporting Portal (LRP).

COMMENTS:

\*Only specimens in **VTM** can be reflexed to the State Laboratory for further workup.

UNACCEPTABLE SUBMISSIONS:

- Leaking or cracked specimen containers
- Expired VTM/UTM collection tubes
- Incorrect or incomplete requisition forms
- Specimens without requisition forms
- Requisition/specimen identifiers that do not match
- Mislabeled/Unlabeled specimens (required: patient id, DOB/unique identifier, & collection date/time)
- Specimens not meeting collection & storage requirements
- Specimens collected with cotton or calcium alginate tipped swabs or swabs with wooden sticks/shafts.
- Specimen quantity insufficient (QNS)

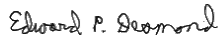
Test Location:

State of Hawaii Dept. of Health - Maui District Health Laboratory  
121 Mahalani Street, Wailuku, HI 96793

Contact Information:

Phone: (808) 984-2131      Fax: (808) 984-2132

Approved:



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Edward P. Desmond, Ph.D.  
SLD, Maui District Health Laboratory, Director

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Dec 12, 2022

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Date