

Mpox Virus Testing Procedure

Test Name	QUEST Mpox Virus DNA, Qualitative Real-Time PCR	LABCORP Mpox (orthopoxvirus), DNA, PCR	PA BOL
Test Ordering Code	12084	140230	
Preferred Specimen	One Lesion swab collected in 3 mL viral transport media (VTM), universal transport media (UTM) or equivalent		Two lesion swabs in a dry transport tube.
Swab Type	Synthetic swab (e.g. polyester, rayon or dacron). Do not use Calcium alginate or wooden swabs		Dry swab collection and transport system such as BD BBL™ CultureSwab™ EZ collection and transport systems OR Sterile dry polyester or Dacron swabs and sterile screw-capped plastic container if the collection and transport system is not available. Do not use cotton swabs.
Collection Instructions	<ul style="list-style-type: none"> Swab the pustule/lesion vigorously and place the swab into a viral culture media (or equivalent) tube. Insert the swab into the tube containing UTM or VTM. Carefully break the swab at the score line and tightly close the sample. Each individual specimen submitted for mpox virus testing should be accompanied by its own separate requisition and transported in its own sealed bag. Consider placing inside 2 biohazard bags for extra protection. Note: Some UTM kits may contain two swabs; however, only one swab needs to be collected and submitted for testing. Consider submitting samples from at least 2 lesions on different parts of the body. 	<ul style="list-style-type: none"> Collect two dry swabs from the same lesion by vigorously swabbing the lesion. Using aseptic technique, immediately place the swabs into the sterile collection container. Two swabs from the same lesion can be put into one sterile container. DO NOT ADD ANY VIRAL TRANSPORT MEDIA, SALINE, OR FIXATIVES. Label each collection container with patient first and last name, date of birth, source (site of lesion) and date of collection. Collect a total of 2-3 lesions from different body sites by repeating steps 3-5. Complete the BOL Specimen Submission Form(s) including patient information, submitter's name, fax number for results, and facility information. 	
Transport Temperature and Shipping Instructions	<ul style="list-style-type: none"> Frozen preferred. Refrigerated acceptable for 7 days Room temperature not accepted. 	<ul style="list-style-type: none"> Refrigerate specimen(s) at 2-8° C within one hour of collection. If not shipping specimens to the BOL immediately, refrigerate for up to seven days or freeze at -20° C or lower for up to six weeks. Additional instructions for packaging/shipping are included below.* 	
Reject Criteria	<ul style="list-style-type: none"> Sample shipped/sent at room temperature Sample received with Calcium Alginate swabs or wooden swabs Improperly submitted specimens, swabs in non-validated transport media, swabs sent in aerobic or anaerobic transport devices 	<ul style="list-style-type: none"> Sample shipped/sent at room temperature Receipt of specimens in VTM or UTM Receipt of unlabeled specimen tubes Receipt of specimens where information on tubes does not match the BOL Specimen Submission Form 	
Turn Around Time	2 to 3 days		1-3 days

For BOL Testing:

***PACKAGING INSTRUCTIONS:**

- Place the collection container(s) in the sealable compartment(s) of a biohazard bag; one container per compartment. Seal the biohazard bag.
- Place the submission form(s) in the outer compartment of the biohazard bag. Do not allow the form(s) to touch the collection container(s)
- Place the biohazard bag and a cold pack into a shipping box.

*SHIPPING INSTRUCTIONS:

1. Package, label, and ship specimens as Category B infectious substance affecting humans (UN 3373) in accordance with the US Department of Transportation's Hazardous Materials Regulations and the International Air Transport Association Dangerous Goods Regulations.
2. Address the package. Use the BOL's address in the footer of this document.
3. If possible, ship the specimen(s) immediately on cold packs. If not, follow the storage directions above.
4. Contact BOL to arrange for delivery via courier. Provide the following information: address, location, contact name and phone number, number of packages and what time the package(s) will be ready.

Examples of Universal Transport Media and Viral Transport Media (UTM/VTM)



- Copan Universal Transport Medium (UTM)
- BD UVT
- Cepheid XPert Sample Collection Kit for Viruses
- Hardy-Health Link UTM.

Personal Protective Equipment (PPE)

- Staff should wear an N95, eye protection, gown, and gloves.
- Conduct hand hygiene.

Room Cleaning (including laundry and medical equipment/instruments)

- Standard cleaning and disinfection of room, equipment, and any clearly identified chair or seat the patient may have had prolonged contact.
 - Please see the attached list for any other chemicals (or call infection control for questions): <https://www.epa.gov/pesticide-registration/disinfectants-emerging-viral-pathogens-evps-list-q>.
 - There is no necessary air cleaning.
- Soiled linen should be placed in laundry bag using standard precautions.
- Soiled linen should not be shaken or managed in the way that could aerosolize any potential infectious material.
- Do not dry sweep, mop or vacuum suspect or confirmed patient's room. Wet cleaning methods are preferred.
- Disposable medical instruments and patient care devices should follow routine handling and disposal processes.
- All reusable medical instruments used in procedures should be cleaned and then High level disinfected or sterilized as appropriate