

VACCINE PREVENTABLE DISEASE REFERRAL TESTING GUIDANCE DOCUMENT

The WV Office of Laboratory Services (OLS) has implemented referral testing for certain vaccine preventable disease causing organisms. The Wisconsin State Laboratory of Hygiene will perform the testing as part of a collaborative project with the Centers for Disease Control and Prevention and the Association of Public Health Laboratories.

SPECIMEN REQUIREMENTS:

Only specimens that have been identified by the Division of Infectious Disease Epidemiology (DIDE) as a suspect case will be accepted for testing. The following chart lists the available test and specimen information (other analytes available upon special request).

ASSAY	SPECIMEN TYPE	MINIMUM VOLUME	STORAGE RECOMMENDATIONS	ANTICIPATED TURN AROUND TIME
Measles Virus PCR and Genotyping	Nasopharyngeal swab, throat swab, or urine	250µL	<p>SWAB -- Store swab in viral transport media (Remel M4 RT or equivalent) at 4°C if shipping within 24 hours. Ship on cold packs.</p> <p>URINE -- Collect 10-50mL of urine in sterile container. Do not add virus transport medium. If shipping is delayed, freeze at -70°C. Ship frozen.</p>	<p>PCR = 2 business days</p> <p>Genotyping = 10 business days</p>
Mumps Virus PCR and Genotyping	Buccal swab, nasopharyngeal swab, or throat swab	250µL	Store in 2mL viral transport media (Remel M4 RT or equivalent) at 4°C if shipping within 24 hours. Ship on cold packs. If shipping is delayed, freeze at -70°C. Ship frozen.	<p>PCR = 2 business days</p> <p>Genotyping = 10 business days</p>
Varicella-zoster Virus PCR and Genotyping	Skin lesion swab or scabs	n/a	Dry swab only. Store at ambient temperature.	<p>PCR = 2 business days</p> <p>Genotyping = 10 business days</p>

NOTE: Genotyping will be performed on all PCR positive specimens unless otherwise indicated.

SPECIMEN LABELING:

Specimen containers (vials, tubes, etc.) must be labeled with the patient's name (or other unique identifier) and date of collection. The name on the container must match the name on the test request form exactly.

SPECIMEN PACKAGING AND SHIPPING:

It is highly recommended that all specimens for referral VPD testing be sent to the Office of Laboratory Services as soon after collection as possible. Direct shipment to the Wisconsin State Laboratory of Hygiene is not encouraged.

If direct shipment is unavoidable, the shipper must complete the Wisconsin Vaccine Preventable Disease test request form and contact OLS for a laboratory number. A copy of the form must be included in the package. The shipper must also provide OLS with the package tracking number and a copy of the completed test request form.

Packages must be properly labeled as a UN3373 Biological Substance and shipped per current DOT/IATA regulations.

ADDRESSES FOR SHIPPING:

WV Office of Laboratory Services
ATTN: VPD Referral/Micro
167 11th Avenue
South Charleston, WV 25303
304-558-3530

Wisconsin State Laboratory of Hygiene
ATTN: Communicable Disease Division
2601 Agriculture Drive
Madison, WI 53718-6780
800-826-1013

REPORTS:

All reports will be faxed back to OLS upon completion of testing. Turn-around-time for results varies depending upon test method. OLS will notify DIDE and the submitter of the results once received.