

VACCINE PREVENTABLE DISEASE REFERRAL TESTING GUIDANCE DOCUMENT

The WV Office of Laboratory Services 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. The table below details the specimen requirements.

ASSAY	SPECIMEN TYPE	MINIMUM VOLUME	STORAGE RECOMMENDATIONS	ANTICIPATED TURN AROUND TIME
Measles Virus PCR and Genotyping	Nasopharyngeal swab, throat swab, or urine	250µL	SWAB -- Store swab in viral transport media (Remel M4 RT or equivalent) at 4°C if shipping within 24 hours. Ship on cold packs. 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.	PCR = 2 business days Genotyping = 10 business days
Measles Serology *	Serum	300µL	Refrigerate at 4°C. Do not freeze. Ship on cold packs.	3 business days
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.	PCR = 2 business days Genotyping = 10 business days
Varicella-zoster Virus PCR and Genotyping	Skin lesion swab or scabs	n/a	Dry swab only. Store at ambient temperature.	PCR = 2 business days Genotyping = 10 business days

* Measles Serology -- Serum specimens will not be accepted for serology testing without the simultaneous submission of a specimen type appropriate for Measles PCR (throat swab, nasopharyngeal aspirate, nasopharyngeal swab, or urine). There will be no exception to this rule.

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

After collection, make sure that the specimen collection vessel is labeled with the patient name and date of collection. Complete the WSLH VPD form and include it in the shipment. Ship the specimen(s) to OLS according to the recommendations in the chart above. Packages must be properly labeled as UN3373 Biological Substances and shipped per current DOT regulations.

ADDRESS FOR SHIPPING:

WV Office of Laboratory Services

ATTN: VPD Referral/Micro

167 11th Avenue

South Charleston, WV 25303

304-558-3530