

WASHINGTON STATE PUBLIC HEALTH LABORATORIES

MEASLES, MUMPS, & RUBELLA SPECIMEN TESTING PROTOCOL

STEP	ROLE(S)	ACTION
1	Healthcare Provider / Submitter	Contact Local Health Jurisdiction (LHJ) of the patient's residence to report potential case.
2	LHJ	Notify Department of Health Communicable Disease Epidemiology (DOH CD Epi) about potential case. DOH CD Epi: 206-418-5500 (24/7)
3	LHJ & DOH CD Epi	Review clinical case attributes and testing guidance together. Determine if testing will be done at Washington State Public Health Laboratories (WA PHL). If so, decide if specimen(s) will need priority testing. If testing at WA PHL is approved, specimen will be considered "pre-approved" upon arrival. LHJ to coordinate with submitter to ensure specimens shipped properly (see Step 4). If testing at WA PHL is not approved, LHJ should direct submitter <u>NOT to send specimen(s) to WA PHL.</u>
4	Submitter	Send LHJ-approved specimen to WA PHL in accordance with the DOH Specimen Collection Submission Instructions for: Measles RT-PCR Mumps RT-PCR Rubella RT-PCR (follow guidelines for measles above) Serology: Measles IgG or IgM ; Mumps IgG or IgM ; Rubella IgG or IgM
5	WA PHL, DOH CD Epi, & LHJ	The cutoff for arrival on the current business day is 2pm. For turnaround time purposes, specimens that arrive after 2pm will be considered "arrived" on the next business day. Refer to Testing Turnaround Time Algorithm below to determine when results will be available. Current posted turnaround times (and other valuable testing info) are available on the Department of Health Microbiology Laboratory Test Menu and listed as follows: <ul style="list-style-type: none"> • Measles RT-PCR: 1 business day • Mumps RT-PCR: 3 business days • Rubella RT-PCR: 1 business day once specimen reaches Minnesota Department of Health Public Health Laboratories • Serology (measles, mumps, & rubella): 2-5 business days <p>PLEASE NOTE: If determined through consultation between LHJ and DOH CD Epi that a test result may warrant time-sensitive public health action, the timeframes above may be expedited and run as priority on a case by case basis.</p>
6	WA PHL, DOH CD Epi, & LHJ	If a specimen arrives with no pre-approval, WA PHL will notify DOH CD Epi. DOH CD Epi will contact the LHJ. The LHJ should then contact the healthcare provider to obtain clinical and epidemiologic information about the patient from whom the specimen was collected. Once information is available, proceed with Step 3.

TESTING TURNAROUND TIME ALGORITHM

When a pre-approved specimen is received by 2pm on the business days indicated in black below, **the latest business day** on which a result will be available is as follows (unless specimen is run as a priority). Please consult DOH CD Epi with any questions (206-418-5500).

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Measles PCR	Tuesday	Wednesday	Thursday	Friday	Monday
Mumps PCR	Thursday	Friday	Monday	Tuesday	Wednesday
Rubella PCR*	*	*	*	*	*
Serology** (measles, mumps, & rubella)	Monday of the following week**	Tuesday of the following week**	Wednesday of the following week**	Thursday of the following week**	Friday of the following week**

*Rubella PCR is run at the Minnesota Department of Health Public Health Laboratories (MDH PHL) where the posted turnaround time is 1 business day. Turnaround time begins when specimen reaches MDH PHL. Shipping and testing may take up to a week.

**In the event that the LHJ and DOH CD Epi determine results of PCR negate the need for serology, WA PHL will not test serum specimens.

To request this document in another format, call 1-800-525-0127. Deaf or hard of hearing customers, please call 711 (Washington Relay) or email doh.information@doh.wa.gov