Molecular Microbiology

1. Completely fill in left section and use a separate request form for each specimen type submitted.
2. For unlisted tests - call Reference Laboratory Services (206) 520-4600 or (800) 713-5198.
3. Website: http://depts.washington.edu/molmicdx
   Email: molmicdx@uw.edu

NOTE: When ordering tests for which Medicare reimbursement will be sought, physicians should only order tests which are medically necessary for diagnosis or treatment of the patient. You should be aware that Medicare generally does not cover routine screening tests, and will only pay for tests that are covered by the program and are reasonable and necessary to treat or diagnose the patient.

Testing on Direct Patient Specimens

For solid tissue, please note that we do not process more than 1 cubic cm. Submit only the portion of the specimen with the greatest diagnostic potential.

Fresh specimens are recommended when possible, but we also accept formalin fixed paraffin embedded tissue. Fresh samples should be submitted frozen on dry ice. Due to the presence of normal microbiota, not all specimens are acceptable for broad-range PCR. Please refer to our website for more information on our tests, acceptable specimens and an updated order form, http://depts.washington.edu/molmicdx.

Please submit one specimen per order form. If multiple specimen "aliquots" are submitted, we will pool them, unless otherwise indicated. If multiple FFPE blocks are submitted from the same body site with an order form, shavings from a maximum of 2 PET blocks will be combined for testing.

REFLEXIVE TESTING: When suspected pathogenic microorganisms are detected, identification procedures are performed, as appropriate for the organism and specimen.

Requests for pathogen-specific PCRs, not listed below, will be reflexively tested by the corresponding Broad-range PCR, if applicable.

**Broad-range PCR**

- **AFB**
  - NTMPCR, TBCPCR
  - BCTPCR (NGS16S)
  - BCTPCR
  - FUNPCR

**Next Generation Sequencing**

- Bacteria (reflex to NGS16S for poly-microbial specimens with amplifiable template)

**Pathogen-specific PCR**

Requests for pathogen-specific PCRs, not listed below, will be reflexively tested by the corresponding Broad-range PCR, if applicable.

**Bacteria**

- Bartonella PCR - Tissue
- Legionella PCR
- Tropheryma whippelii
- Mycoplasma, Respiratory 1
- Mycoplasma, Genital 2
- Mycoplasma, Miscellaneous 1, 2
- Detects M. pneumoniae 2 Detects M genitalium, M. hominis, U. urealyticum, U. parvum
- Mycobacterium tuberculosis Complex PCR
- *Sputum is not acceptable for NTMPCR
- Mycobacterium avium complex PCR (MAVPCR is included in NTMPCR testing)

**AFB**

- Mycobacterium tuberculosis Complex PCR
- NTMPCR
- Nontuberculous Mycobacteria (AFB other than MTB Complex) PCR
- *Sputum is not acceptable for NTMPCR
- Mycobacterium avium complex PCR (MAVPCR is included in NTMPCR testing)

**Fungi**

- Aspergillus PCR (detects A. fumigatus) - BAL*
- Aspergillus PCR (detects A. fumigatus) - Tissue*
- Zygomycete PCR *
- Histoplasma PCR *
- Cryptococcus PCR (detects C. neoformans and C. gattii) *
- Coccioidioides PCR*
- Pneumocystis PCR*
- *If negative, do you want broad-range PCR for fungi (for normally sterile sites & BAL only) YES NO (FUNPCR)

**Parasites**

- Toxoplasma PCR

Testing on Cultured Organisms

**Organisms identified by DNA sequence-based methods:**

- AFB Sequencing
- Bacterial Sequencing
- Fungal Sequencing

**Detection of specific genes**

- mecA gene

**Strain typing**

- Bacterial Strain Typing by Whole Genome Sequencing
- MRSA Typing by spa and VNTR analysis

Other requests

Referring institution will be billed if the insurance company is located outside the state of Washington.
CMS MEDICAL NECESSITY INFORMATION

It is our policy to provide health care providers with the ability to order only those lab tests medically necessary for the individual patient and to ensure that the convenience of ordering standard panels and custom profiles does not impact this ability. While we recognize the value of this convenience, indiscriminate use of panels and profiles can lead to ordering tests that are not medically necessary. Therefore, all tests offered in our panels and profiles can be ordered individually as well. If a component test is not listed individually on the request form, it may be written in the “OTHER REQUESTS” box. We encourage you to order individual tests or a less inclusive profile when not all of the tests included in the panel or profile are medically necessary for the individual patient.

Medicare Billing Information

Medicare billing policy prevents us from submitting a Medicare claim for laboratory testing referred to us on hospital inpatients or hospital outpatients. For these samples, we will bill the sending location.