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) 685-6066 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

<table>
<thead>
<tr>
<th>BROAD-RANGE PCR</th>
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<tbody>
<tr>
<td>AFB</td>
<td>NTMPCR, TBCPCR</td>
</tr>
<tr>
<td>_Bacteria (reflex to NGS16S when multiple templates are present) _</td>
<td>BCTPCR, NGS16S</td>
</tr>
<tr>
<td>_Standard Bacterial PCR only (not recommended) _</td>
<td>BCTPCR</td>
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<tr>
<td>_Fungi _</td>
<td>FUNPCR</td>
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Next Generation Sequencing

_Bacteria (Next Generation Sequencing for poly-microbial sites)_ NGS16S

PATHOGEN-SPECIFIC PCR

**Bacteria**

_Bartonella PCR - Tissue_ BRTPCR
_Tropheryma whippelii_ TWHPCR
_Mycoplasma, Respiratory_ MPNPCR
_Mycoplasma, Genital_ GUMPCR
_Mycoplasma, Miscellaneous_ MSMPCR

*Detects M. pneumoniae  Detects M. genitalium, M. hominis, U. urealyticum, U. parvum

_AFB_ Mycobacterium tuberculosis Complex PCR TBPCR
_Nontuberculous Mycobacteria (AFB other than MTB Complex) PCR_ NTMPCR
_BAL and other body sites with microbial flora are not acceptable for NTMPCR _
_Mycobacterium avium complex PCR_ MAVPCR

_Fungi_ Aspergillus PCR (detects A. fumigatus) - BAL ASPPCR
_Aspertillus PCR (detects A. fumigatus) - Tissue ASPTIS
_Zygomycete PCR_ ZGMPCR
_Histoplasma PCR_ HISPCR
_Cryptococcus PCR (detects C. neoformans and C. gattii)_ CRYPCR
_Coccidioides PCR_ COCP CR
_Pneumocystis PCR_ PNEPCR

*If negative, do you want broad-range PCR for fungi (for normally sterile sites & BAL only) _YES _NO

**Parasites**

_Toxoplasma PCR TOXPCR

Testing on Cultured Organisms

ORGANISMS IDENTIFIED BY DNA SEQUENCE-BASED METHODS:

<table>
<thead>
<tr>
<th>Organism</th>
<th>Method</th>
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<tbody>
<tr>
<td>AFB Sequencing</td>
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<tr>
<td><em>Bacterial Sequencing</em></td>
<td>BCTSEQ</td>
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<tr>
<td><em>Fungal Sequencing</em></td>
<td>MLDSEQ/YSTSEQ</td>
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DETECTION OF SPECIFIC GENES

_meca gene_ MECPCR

**STRAIN TYPING**

_Bacterial Strain Typing by Whole Genome Sequencing_ NGSTYP
_MRSA Typing by spa and VNTR analysis_ MRSATP

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

Other Requests
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.