### Pneu Pneumonia Panel

**GA Test Code**  
7638  
**Method**  
*FDA-cleared* BioFire® FilmArray® Pneumonia Panel by nested multiplex PCR

#### Bacteria (reported semi-quantitatively with copies/mL bin results)

<table>
<thead>
<tr>
<th>Organism</th>
<th>Pelvic Organisms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acinetobacter calcoaceticus-baumannii complex</td>
<td></td>
</tr>
<tr>
<td>Enterobacter cloacae complex</td>
<td></td>
</tr>
<tr>
<td>Escherichia coli</td>
<td></td>
</tr>
<tr>
<td>Haemophilus influenzae</td>
<td></td>
</tr>
<tr>
<td>Klebsiella aerogenes</td>
<td></td>
</tr>
<tr>
<td>Klebsiella oxytoca</td>
<td></td>
</tr>
<tr>
<td>Klebsiella pneumoniae group</td>
<td></td>
</tr>
<tr>
<td>Moraxella catarrhalis</td>
<td></td>
</tr>
</tbody>
</table>

#### Antimicrobial Resistance Genes

- CTX-M
- IMP
- KPC
- meC/A and MREJ
- NDM
- OXA-48-like
- VIM

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-CTX-M
-IMP
-KPC
-mecA/C and MREJ
-NDM
-OXA-48-like
-VIM

### Atypical Bacteria (qualitative)

- Chlamydia pneumoniae
- Legionella pneumophila
- Mycoplasma pneumoniae

### Viruses (qualitative)

- Adenovirus
- Coronavirus
- Human Metapneumovirus
- Human Rhinovirus/Enterovirus
- Influenza A
- Influenza B
- Parainfluenza Virus
- Respiratory Syncytial Virus

#### Specimens

- **Bronchial Washings**: 0.5 (min 0.2) mL, refrigerated for up to 96 hours, in sterile plastic leak-proof container. Ship with cold pack.  
**Performance**: 96.2% Sensitivity and 98.3% Specificity
- **Sputum**: 0.5 (min 0.2) mL, ambient (24 hrs) or refrigerated (96 hrs) in sterile plastic leak-proof container. Ship with cold pack.  
**Performance**: 96.3% Sensitivity and 97.2% Specificity

#### Causes for Rejection

- Time and/or temperature instructions not followed; QNS for analysis.  
**NOTE**: Specimens should not be centrifuged, pre-processed, treated with any mucolytic or decontaminating agents, nor placed into transport media.

#### Reference Range

- Not Detected

#### Turnaround Time

- 1-6 hours from receipt of sample

#### CPT Codes

- 87150, 87486, 87541, 87581, 87632, 87640, 87798

#### PLA Code

- 0151U* (for Medicare patients)

*This PLA Code is subject to a Medicare Limited Coverage Policy (MLCP) and may require a signed Advanced Beneficiary Notice (ABN) when ordering. Tests subject to an MLCP must meet medical necessity criteria in order to be covered by Medicare. MLCP tests ordered without a supportive ICD-10 code will not satisfy medical necessity and therefore will not be covered by Medicare. Physicians (or others authorized by law to order tests) should only order tests that are medically necessary for the diagnosis or treatment of a patient. These orders may require an ABN signed by the patient, which confirms they are responsible for payment.

### Description

The *FDA-cleared* BioFire FilmArray Pneumonia Panel is a multiplexed nucleic acid test intended for the simultaneous detection and identification of multiple respiratory viral and bacterial nucleic acids, as well as select antimicrobial resistance genes, in sputum or bronchoalveolar lavage (BAL)-like specimens obtained from individuals suspected of lower respiratory tract infection.

Pathogens infecting the lower respiratory tract cause acute local and systemic disease, with the most severe cases occurring in children, elderly, and immunocompromised individuals. Due to the similarity of diseases caused by many viruses and bacteria, diagnosis based on clinical symptoms alone is difficult. Identification of potential causative agents, as well as the relative abundance of common bacterial agents, provides data to aid the physician in determining appropriate patient treatment and public health response for disease containment.

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