



Name	: XXXXXXXXXXXX	Referred By	: XXXXXXXXXXXX
Id	: XXXXXXXXXXXX	Billed	: XXXXXXXXXXXX
Age	: XXXXXXXXXXXX	Collected On	: XXXXXXXXXXXX
Gender	: Y	Reported	: XXXXXXXXXXXX
Phone	: XXXXXXXXXXXX	Vid	: XXXXXXXXXXXX

Test	Result	Units	Biological Reference Interval
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**DEPARTMENT OF MOLECULARBIOLOGY**

**ORBITO PNEUMONIA PLUS (1229)**

(Method: Nested Multiplex PCR)

Sample Type	BAL FLUID	Units	Biological Reference Interval
<b>BACTERIA</b>			
Acinetobacter calcoaceticus-baumannii complex	<b>DETECTED</b>		
Enterobacter cloacae complex	NOT DETECTED		
Escherichia coli	NOT DETECTED		
Haemophilus influenzae	NOT DETECTED		
Klebsiella aerogenes	NOT DETECTED		
Klebsiella oxytoca	NOT DETECTED		
Klebsiella pneumoniae group	NOT DETECTED		
Moraxella catarrhalis	NOT DETECTED		
Proteus spp.	NOT DETECTED		
Pseudomonas aeruginosa	<b>DETECTED</b>		
Serratia marcescens	NOT DETECTED		
Staphylococcus aureus	NOT DETECTED		
Streptococcus agalactiae	NOT DETECTED		
Streptococcus pyogenes	NOT DETECTED		
Streptococcus pneumoniae	NOT DETECTED		
<b>ATYPICAL BACTERIA</b>			
Chlamydia pneumoniae	NOT DETECTED		
Legionella pneumophila	NOT DETECTED		
Mycoplasma pneumoniae	NOT DETECTED		
<b>VIRUSES</b>			
Adenovirus	NOT DETECTED		
Coronavirus	NOT DETECTED		
Human metapneumovirus	NOT DETECTED		
Human Rhinovirus / Enterovirus	NOT DETECTED		
Influenza A	NOT DETECTED		
Influenza B	NOT DETECTED		

**Disclaimer :**

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**Customer Care**

0422 - 4030201  
0422 - 4030202

**Reports**

0422 - 4030203  
0422 - 4030204



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Test	Result	Units	Biological Reference Interval
Middle East Respiratory Syndrome Coronavirus ( MERS - CoV)	NOT DETECTED		
Parainfluenza Virus	NOT DETECTED		
Respiratory Syncytial Virus	NOT DETECTED		
<b>ANTIMICROBIAL RESISTANCE GENES</b>			
<b>Carbapenemases</b>			
IMP	NOT DETECTED		
KPC	NOT DETECTED		
NDM	<b>DETECTED</b>		
OXA - 48 like	NOT APPLICABLE		
VIM	NOT DETECTED		
<b>ESBL</b>			
CTX - M	<b>DETECTED</b>		
<b>Methicillin Resistance</b>			
Mec A/C and MREJ (MRSA)	NOT APPLICABLE		

**REMARKS**

*Pneumonia Panel plus is a multiplexed nucleic acid test intended for use with the simultaneous detection and identification of multiple respiratory viral and bacterial nucleic acids, as well as select antimicrobial resistance genes, in sputum-like specimens (induced or expectorated sputum, or endotracheal aspirates) or bronchoalveolar lavage (BAL)-like specimens (BAL or mini-BAL) obtained from individuals suspected of lower respiratory tract infection. The following bacteria are reported semi-quantitatively with bins representing approximately 10<sup>4</sup>, 10<sup>5</sup>, 10<sup>6</sup>, or ≥10<sup>7</sup> genomic copies of bacterial nucleic acid per milliliter (copies/mL) of specimen, to aid in estimating relative abundance of nucleic acid from these common bacteria within a specimen.*

**Note:**

- Semi-quantitative bin (copies/mL) results generated by the Pneumonia Panel plus are not equivalent to CFU/mL and do not consistently correlate with the quantity of bacterial analytes compared to CFU/mL.*
- Negative results in the setting of a respiratory illness may be due to infection with pathogens that are not detected by this test, pathogens below the limit of detection, or in the case of bacterial analytes, present at levels below the lowest reported 10<sup>4</sup> copies/mL bin.*

**INTERPRETATION**

**DETECTED:** *Indicates organism detected and identified is likely causing symptoms of disease. Co-Infection by more than one organism is not uncommon. However it does not distinguish between a viable or replicating organism and the presence of a nonviable organism or nucleic acid, nor do they exclude the potential for co-infection by organisms not contained within the panel.*

**NOT DETECTED:** *Indicates organisms tested in the panel were not detected and the symptoms may be caused by a condition other than an infection or a pathogen that was not tested for. Also a negative result maybe in concentrations below the level of detection by this assay or organisms are not included in this panel.*

**Anti microbial resistance (AMR) Gene and Applicable Organisms**

AMR Gene	Applicable Bacteria
Mec A/C and MREJ (MRSA)	Staphylococcus aureus

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Test	Result	Units	Biological Reference Interval
CTX-M,IMP, KPC, NDM, VIM	<i>Acinetobacter calcoaceticus-baumannii</i> complex, <i>Enterobacter cloacae</i> complex, <i>Escherichia coli</i> , <i>Klebsiella aerogenes</i> , <i>Klebsiella oxytoca</i> , <i>Klebsiella pneumoniae</i> , <i>Pseudomonas aeruginosa</i> , <i>Proteus spp.</i> , <i>Serratia marcescens</i>		
OXA-48 like	<i>Enterobacter cloacae</i> complex, <i>Escherichia coli</i> , <i>Klebsiella aerogenes</i> , <i>Klebsiella oxytoca</i> , <i>Klebsiella pneumoniae</i> group, <i>Proteus spp.</i> , <i>Serratia marcescens</i>		

Remarks:

- $\geq 10^7$  copies/mL of *Acinetobacter calcoaceticus-baumannii* complex is Detected.
- $10^5$  copies/mL of *Pseudomonas aeruginosa* is Detected.

--- End of the Report ---



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