

500 Chipeta Way, Salt Lake City, Utah 84108-1221

phone: 801-583-2787, toll free: 800-522-2787

Jonathan R. Genzen, MD, PhD, Chief Medical Officer

Patient Age/Sex: 23 years Male

Specimen Collected: 21-Jun-23 09:00

Pneumonia panel by PCR	Received: 22-Jun-23 16:14	Report/Verified: 22-Jun-23 16:17
Procedure	Result	Units Reference Interval
Acinetobacter baumannii complex	3+	
Enterobacter cloacae complex	3+	
Escherichia coli	3+	
Haemophilus influenzae	3+	
Klebsiella aerogenes	3+	
Klebsiella oxytoca	3+	
Klebsiella pneumoniae group	3+	
Moraxella catarrhalis	3+	
Proteus spp.	3+	
Pseudomonas aeruginosa	3+	
Serratia marcescens	3+	
Staphylococcus aureus	3+	
Streptococcus agalactiae	3+	
Streptococcus pneumoniae	3+	
Streptococcus pyogenes	3+	
Chlamydia pneumoniae	Detected	
Legionella pneumophila	Detected	
Mycoplasma pneumoniae	Detected	
Adenovirus	Detected	
Coronavirus	Detected ^{f1}	
Human metapneumovirus	Detected	
Human rhinovirus/enterovirus	Detected	
Influenza A virus	Detected	
Influenza B virus	Detected	
Parainfluenza virus	Detected	
Respiratory syncytial virus	Detected	
IMP	Detected ^{f2}	
KPC	Detected ^{f3}	
NDM	Detected ^{f4}	
OXA-48-LIKE	Detected ^{f5}	
VIM	Detected ^{f6}	
CTX-M	Detected ^{f7}	
mecA/C and MREJ (MRSA)	Detected ^{f8 i1}	

Result Footnote

f1: Coronavirus

Seasonal coronavirus detected. This test does not detect SARS-CoV-2.

f2: IMP

Carbapenem resistance predicted (IMP gene detected). Infectious Disease consult recommended.

* = Abnormal, # = Corrected, C = Critical, f = Result Footnote, H = High, i = Test Information, L = Low, t = Interpretive Text, @ = Performing lab

Unless otherwise indicated, testing performed at:**ARUP Laboratories**

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ARUP Accession: 23-172-900214**Report Request ID:** 17766022**Printed:** 23-Jun-23 13:12

Page 1 of 2

Result Footnote

f3: KPC

f4: Carbapenem resistance predicted (KPC gene detected) Infectious Disease consult recommended.
NDMf5: Carbapenem resistance predicted (NDM gene detected). Infectious Disease consult recommended.
OXA-48-LIKEf6: Carbapenem resistance predicted (OXA-48 like gene detected). Infectious Disease consult recommended.
VIMf7: Carbapenem resistance predicted (VIM gene detected). Infectious Disease consult recommended.
CTX-Mf8: Extended-spectrum betalactamase (CTX-M [ESBL]) gene detected.
mecA/C and MREJ (MRSA)

Methicillin resistance predicted (mecA/C gene and MREJ insertion detected).

Test Information

i1: mecA/C and MREJ (MRSA)

INTERPRETIVE INFORMATION: Pneumonia panel by PCR

The Pneumonia panel is not intended to replace respiratory culture, blood cultures, or urine antigen testing. Only the most common causes of pneumonia are detected and a paired respiratory culture is required for all Pneumonia Panel PCR tests. Fungal pathogens are not tested by the Pneumonia Panel. Bacterial semi-quantitative values by PCR may not directly correlate with culture. Bacteria may grow in culture in very low quantities that will not be reported by the PCR due to a cut-off threshold applied to the reporting algorithm. SARS-CoV-2 (COVID-19) is not detected by this panel.

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Page 2 of 2