

MedPath Diagnostics Laboratory

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Lab ID: LAB-2026-00412

PATIENT	DATE OF BIRTH	MRN	ORDERING PHYSICIAN
Rodriguez, Carlos E.	1971-09-28	MRN-19847562	Dr. L. Chen, MD — Infectious Disease

MICROBIOLOGY REPORT — URINE CULTURE

Collected: 2026-01-01 | Received: 2026-01-01 | Reported:
2026-01-03

SPECIMEN INFORMATION

Specimen Type	Urine	Source / Site	Catheter specimen
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CULTURE RESULT

Organism Identified	Colony Count (CFU/mL)	Result	Resistance Markers
Klebsiella pneumoniae	90,000	POSITIVE	None detected

ANTIMICROBIAL SUSCEPTIBILITY

Antimicrobial Agent	MIC (mcg/mL)	Interpretation
Ampicillin	>= 32	Resistant
Ceftriaxone	<= 1	Sensitive
Meropenem	<= 0.25	Sensitive
Ciprofloxacin	<= 0.5	Sensitive
Gentamicin	<= 1	Sensitive

COMMENTS

No extended-spectrum beta-lactamase (ESBL) detected at this time. Standard susceptibility pattern for Klebsiella pneumoniae.

MICROBIOLOGY REPORT — URINE CULTURE

Collected: 2026-01-10 | Received: 2026-01-10 | Reported:
2026-01-12

SPECIMEN INFORMATION

Specimen Type	Urine	Source / Site	Catheter specimen
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CULTURE RESULT

Organism Identified	Colony Count (CFU/mL)	Result	Resistance Markers
Klebsiella pneumoniae	80,000	POSITIVE	None detected

ANTIMICROBIAL SUSCEPTIBILITY

Antimicrobial Agent	MIC (mcg/mL)	Interpretation
Ampicillin	>= 32	Resistant
Ceftriaxone	8	Intermediate
Meropenem	<= 0.25	Sensitive
Ciprofloxacin	1	Intermediate
Gentamicin	<= 1	Sensitive

COMMENTS

Shift in susceptibility pattern noted for ceftriaxone and ciprofloxacin compared to prior isolate. ESBL screening pending. Recommend repeat testing.

MICROBIOLOGY REPORT — URINE CULTURE

Collected: 2026-01-20 | Received: 2026-01-20 | Reported: 2026-01-22

SPECIMEN INFORMATION

Specimen Type	Urine	Source / Site	Catheter specimen
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CULTURE RESULT

Organism Identified	Colony Count (CFU/mL)	Result	Resistance Markers
Klebsiella pneumoniae	75,000	POSITIVE	ESBL

ANTIMICROBIAL SUSCEPTIBILITY

Antimicrobial Agent	MIC (mcg/mL)	Interpretation
Ampicillin	>= 32	Resistant
Ceftriaxone	>= 64	Resistant
Ceftazidime	>= 64	Resistant
Meropenem	<= 0.25	Sensitive
Ertapenem	<= 0.5	Sensitive
Ciprofloxacin	>= 4	Resistant
Gentamicin	<= 1	Sensitive
Piperacillin/Tazobactam	16	Intermediate

COMMENTS

ESBL CONFIRMED. Extended-spectrum beta-lactamase production detected by phenotypic confirmatory testing. All cephalosporins should be considered resistant regardless of in vitro result. Carbapenem therapy recommended. Notify Infection

Control per institutional protocol. Antimicrobial stewardship consultation advised.

This report is intended for use by qualified healthcare professionals only. Results should be interpreted in the context of clinical findings, patient history, and other diagnostic information. This report does NOT constitute a diagnosis. MedPath Diagnostics Laboratory is CLIA-certified and CAP-accredited.