

KLEBSIELLA SPECIES GENOME SEQUENCE REPORT

Level 1: Clinical/microbiology use

Database identifier: 9439  
Isolate identifier: CriePir26  
Alternative identifier(s):  
Date entered: 2019-08-06  
Location: Moscow, Russia

Genome report date: 2024-01-23  
Genome quality: Marginal

**Summary:** This isolate is *Klebsiella pneumoniae*, demonstrating genotypic resistance determinants to aminoglycosides, carbapenems, 3rd generation cephalosporins, fluoroquinolones, phenicols, sulfonamides and trimethoprim, with intrinsic ampicillin resistance.

**Organism:** *Klebsiella pneumoniae*

**Bacterial typing:** subspecies classifications to assess isolate similarity

MLST (Multilocus sequence typing)  
Sequence type (ST): 377

Profile:

gapA	infB	mdh	pgi	phoE	rpoB	tonB
10	20	2	1	9	11	12

**Antibiotic susceptibility:** Resistance mechanisms identified are used to predict antimicrobial susceptibility.

Drug class	Resistance determinants	Drug class	Resistance determinants
Aminoglycosides	aac(3)-IIa;aac(6')-Ib-cr;aadA;aph(3')-VIa (homolog);strA	Penicillins	OXA-1,SHV-110
Carbapenems	OXA-48,OmpK35-90%;OmpK36GD	Penicillins + $\beta$ -lactamase inhibitors	
Cephalosporins (3rd gen)	CTX-M-15	Phenicols	CatB4 (fragment);catA1 (homolog)
Cephalosporins (3rd gen.) + $\beta$ -lactamase inhibitors		Sulfonamides	sul1 (homolog, fragment);sul2
Colistin		Tetracycline	
Fluoroquinolones	GyrA-83Y;GyrA-87A;ParC-80I	Tigecycline	
Fosfomycin		Trimethoprim	dfrA15

**Capsular typing:** Polysaccharide K and lipopolysaccharide O types as predicted by KL and O genotype  
*K type: unknown (KL102)*                      *O type: O2afg*