

CPO20240007 is an IMP-1b-producing *Pseudomonas aeruginosa* strain from Denmark isolated in 2024

Sequence type:
ST1047

Genotype:

Antimicrobial agent	Resistance gene/mutations
Carbapenems	<i>bla</i> _{IMP-1b}
Third generation cephalosporins	Not detected
Other beta-lactams	<i>bla</i> _{OXA-10} , <i>bla</i> _{OXA-488} , <i>bla</i> _{PAO}
Colistin	Not detected
Fluoroquinolones	<i>qnrVC1</i>
Aminoglycosides	<i>ant(2'')-Ia</i> , <i>aph(3'')-Ib</i> , <i>aph(3')-IIb</i> , <i>aph(6)-Id</i>
Tetracyclines	Not detected
Trimethoprim	<i>dhfrA1</i>
Sulphonamide	<i>sul1</i>
Fosfomycin	<i>fosA</i>

Phenotype:

Antimicrobial agent	Reference MIC (mg/L)	Reference inhibition zone (mm) ¹	Interpretation ²	WT/NWT ³
Piperacillin-tazobactam	>64	6	R	NWT
Cefiderocol	ND	25-26	S	WT
Ceftazidime	>32	6	R	NWT
Ceftazidime-avibactam	>32	6	R	NWT
Ceftolozane-tazobactam	>16	6	R	NWT
Imipenem	>32	6	R	NWT
Imipenem-relebactam	>16	6	R	NWT
Meropenem	>32	6	R	NWT
Meropenem-vaborbactam	>16	6	R	ECOFF NA
Aztreonam	32-64	11-14	R	NWT
Ciprofloxacin	>8	6	R	NWT
Levofloxacin	>8	6	R	NWT
Amikacin	>32	7-10	R	NWT
Tobramycin	>16	6	R	NWT
Colistin	0.5-1	-	S	WT

ND: not determined; NA: not available.

¹Using EUCAST disk diffusion methodology (https://www.eucast.org/ast_of_bacteria/disk_diffusion_methodology)

²SIR-categorization according to The European Committee on Antimicrobial Susceptibility Testing.

Breakpoint tables for interpretation of MICs and zone diameters. Version 15.0, 2025. <https://www.eucast.org>.

³Categorization into wild type (WT) or non-wild type (NWT) according to available epidemiological cut-off values (ECOFF) available at <https://mic.eucast.org/>