

EURGen_C26-13 is a **VIM-2-producing *Pseudomonas aeruginosa*** strain from Denmark

Sequence type:
ST773

Resistance genes and mutations¹:

Antimicrobial agent	Resistance genes	Reported gene with mutation or insertion and reported change
Carbapenems	<i>bla</i> _{VIM-2}	<i>oprD</i> loss ²
Third generation cephalosporins	Not detected	Not detected
Other beta-lactams	<i>bla</i> _{OXA-10}	Not detected
Colistin	Not detected	Not detected
Fluoroquinolones	Not detected	Not detected
Aminoglycosides	<i>aac(6')-Ib3</i> , <i>aadA1</i> , <i>aph(3')-IIB</i>	Not detected
Tetracyclines	Not detected	Not detected
Trimethoprim	<i>dfrB2</i>	Not detected
Sulphonamide	<i>sul1</i>	Not detected
Fosfomycin	<i>fosA</i>	Not detected

¹Detected using AMRFinder 4.2.7 and ResFinder 4.7.2 (database 2.6.0) and ARDaP (github: v1.8.2-162-g98ee98f)

²Loss leads to MEM and IPM AMR. Carbapenem resistance resulting from loss of OprD may also require the upregulation of AmpC

Phenotype:

Antimicrobial agent	Reference MIC (mg/ml)	Reference inhibition zone (mm) ³	Interpretation ⁴
Piperacillin-tazobactam	>64	6	R
Cefiderocol	ND	25-28	S
Ceftazidime	>16	6-9	R
Ceftazidime-avibactam	>32	6-9	R
Ceftolozane-tazobactam	>16	6	R
Imipenem	>16	6	R
Imipenem-relebactam	>16	6	R
Meropenem	>16	6	R
Meropenem-vaborbactam	>16	6	R
Aztreonam	>16	10-14	R
Ciprofloxacin	>8	6	R
Levofloxacin	>8	6	R
Amikacin	>32	6-10	R
Tobramycin	>16	6	R
Colistin	1-2	-	S

ND: not determined

³Using EUCAST disk diffusion methodology (https://www.eucast.org/ast_of_bacteria/disk_diffusion_methodology)

⁴SIR-categorization according to The European Committee on Antimicrobial Susceptibility Testing. Breakpoint tables for interpretation of MICs and zone diameters. Version 16.1, 2026. <https://www.eucast.org>.