

Supplementary tables:

Table S1. Sensitivity profile of the less prevalent isolated organisms: The degree of sensitivity exhibited by the bacterial isolates to the antibiotics is shown. The number enclosed by the first bracket is the percentage of isolates.

Antibiotics	<i>Streptococcus</i> spp.			<i>Enterococcus</i> spp.			<i>Enterobacter</i> spp.			<i>Moraxella</i> spp.			<i>Proteus</i> spp.			<i>Staphylococcus</i> spp.		
	N = 6			N = 4			N = 2			N = 2			N = 2			N = 2		
	S	I	R	S	I	R	S	I	R	S	I	R	S	I	R	S	I	R
Penicillin																		
Amoxicillin	4 (66.7)	0	2 (33.3)	3 (75)	0	1 (25)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	0	0	2 (100)
Ampicillin	4 (66.7)	0	2 (33.3)	3 (75)	0	1 (25)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	0	0	2 (100)
Cloxacillin	3 (50)	0	3 (50)	3 (75)	0	1 (25)	1 (50)	0	1 (50)	0	0	2 (100)	1 (50)	0	1 (50)	1 (50)	0	1 (50)
Amoxiclav	5 (83.3)	0	1 (16.7)	3 (75)	0	1 (25)	2 (100)	0	0	2 (100)	0	0	1 (50)	0	1 (50)	0	0	2 (100)
Aminoglycoside																		
Amikacin	1 (16.7)	0	5 (83.3)	1 (25)	1 (25)	2 (50)	0	1 (50)	1 (50)	1 (50)	0	1 (50)	2 (100)	0	0	1 (50)	0	1 (50)
Gentamicin	1 (16.7)	2 (33.3)	3 (50)	1 (25)	1 (25)	2 (50)	2 (100)	0	0	2 (100)	0	0	1 (50)	0	1 (50)	1 (50)	0	1 (50)
Netilmicin	3 (50)	1 (16.7)	2 (33.3)	0	1 (25)	3 (75)	2 (100)	0	0	1 (50)	0	1 (50)	1 (50)	0	1 (50)	1 (50)	0	1 (50)
Cephalosporin																		
Cefepime	4 (66.7)	0	2 (33.3)	3 (75)	0	1 (25)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	2 (100)	0	0	1 (50)	0	1 (50)
Cefixime	2 (33.3)	2 (33.3)	2 (33.3)	1 (25)	0	3 (75)	0	0	2 (100)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	0	0	2 (100)
Cefotaxime	3 (50)	0	3 (50)	3 (75)	0	1 (25)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	0	0	2 (100)
Ceftazidime	3 (50)	0	3 (50)	3 (75)	0	1 (25)	0	0	2 (100)	1 (50)	0	1 (50)	2 (100)	0	0	0	0	2 (100)
Cefuroxime	3 (50)	0	3 (50)	2 (50)	1 (25)	1 (25)	1 (50)	0	1 (50)	2 (100)	0	0	1 (50)	0	1 (50)	1 (50)	0	1 (50)
Ceftriaxone	3 (50)	0	3 (50)	3 (75)	0	1 (25)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	1 (50)	0	1 (50)
Cephalexin	0	1 (16.7)	5 (83.3)	3 (75)	0	1 (25)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	0	0	2 (100)
Fluoroquinolones																		

Antibiotics	<i>Streptococcus</i> spp.			<i>Enterococcus</i> spp.			<i>Enterobacter</i> spp.			<i>Moraxella</i> spp.			<i>Proteus</i> spp.			<i>Staphylococcus</i> spp.		
	N = 6			N = 4			N = 2			N = 2			N = 2			N = 2		
	S	I	R	S	I	R	S	I	R	S	I	R	S	I	R	S	I	R
Ciprofloxacin	2 (33.3)	2 (33.3)	2 (33.3)	2 (50)	0	2 (50)	1 (50)	1 (50)	0	1 (50)	0	1 (50)	1 (50)	0	1 (50)	1 (50)	0	1 (50)
Levofloxacin	3 (50)	0	3 (50)	3 (75)	0	1 (25)	1 (50)	0	1 (50)	2 (100)	0	0	1 (50)	0	1 (50)	0	0	2 (100)
Carbapenem																		
Imipenem	4 (66.7)	0	2 (33.3)	3 (75)	0	1 (25)	2 (100)	0	0	1 (50)	0	1 (50)	2 (100)	0	0	1 (50)	0	1 (50)
Meropenem	4 (66.7)	0	2 (33.3)	3 (75)	0	1 (25)	2 (100)	0	0	1 (50)	0	1 (50)	1 (50)	0	1 (50)	0	0	2 (100)
Polymyxin																		
Colistin	4 (66.7)	0	2 (33.3)	3 (75)	0	1 (25)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	2 (100)	0	0			
Sulfonamide																		
Cotrimoxazole	1 (16.7)	1 (16.7)	4 (66.7)	0	0	4 (100)	1 (50)	0	1 (50)	2 (100)	0	0	1 (50)	0	1 (50)	1 (50)	0	1 (50)
Oxazolidinone																		
Linezolid																1 (50)	0	1 (50)
Glycopeptide																		
Vancomycin																1 (50)	0	1 (50)
Tigecycline																		
Tigecycline	6 (100)	0	0	4 (100)	0	0	2 (100)	0	0	1 (50)	0	1 (50)	2 (100)	0	0	0	1 (50)	1 (50)
Fusidane																		
Fusidic Acid																1 (50)	0	1 (50)
Monobactam																		
Aztreonam	3 (50)	0	3 (50)	3 (75)	0	1 (25)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	2 (100)	0	0			
Beta-lactamase inhibitor + pencillin																		
Tazobactam + Piperacillin	6 (100)	0	0	3 (75)	0	1 (25)	1 (50)	0	1 (50)	1 (50)	0	1 (50)	2 (100)	0	0	0	0	2 (100)

S: sensitive; I: intermediate; R: resistance

Table S2. Antimicrobial panels: The antibiotic class, the name of the antibiotics, and their spectrum is mentioned.

Drug groups	Drugs	Gram-negative panel	Gram-positive panel
Penicillin	Amoxicillin	✓	✓
	Ampicillin	✓	✓
	Cloxacillin	✓	✓
	Amoxiclav		✓
Aminoglycoside	Amikacin	✓	✓
	Gentamycin	✓	✓
	Netilmicin	✓	✓
Cephalosporin	Cefepime	✓	✓
	Cefixime	✓	✓
	Cefotaxime	✓	✓
	Ceftazidime	✓	✓
	Cefuroxime	✓	✓
	Ceftriaxone	✓	✓
	Cephalexin	✓	✓
Fluoroquinolones	Ciprofloxacin	✓	✓
	Levofloxacin	✓	
Carbapenem	Imipenem	✓	✓
	Meropenem	✓	✓
Polymyxin	Colistin	✓	
Sulfonamide	Cotrimoxazole	✓	✓
Oxazolidinone	Linezolid		✓
Glycopeptide	Vancomycin		✓
Tigecycline	Tigecycline	✓	✓
Fusidane	Fusidic Acid		✓
Monobactam	Aztreonam	✓	
Beta-lactamase inhibitor + penicillin	Tazobactam +	✓	
	Piperacillin		

Table S3. Colony morphology of specific bacteria on selective media.

Organism	Gram +ve/-ve	Media	Expected Colony Morphology	Reference
<i>Escherichia coli</i>	-ve	Eosin Methylene Blue agar (EMB)	Blue-black colonies with green metallic sheen	Basavaraju & Gunashree, 2023 [42]
<i>Pseudomonas spp.</i>	-ve	Cetrimide Agar	Yellow-green to blue-green colonies which exhibit fluorescence at 250 nm UV light	<i>Cetrimide Agar</i> <i>Principle</i> <i>Preparation</i> <i>Results</i> , n.d. [43]
<i>Klebsiella spp.</i>	-ve	Klebsiella Blue Agar	Dark green	Prasad et al., 2022 [44]
<i>Moraxella spp.</i>	-ve	Blood agar	Smooth, flat, uniform, buff colonies	Public Health England, 2015 [45]
<i>Enterobacter spp.</i>	-ve	Eosin Methylene Blue agar (EMB)	Pink/buff color with darker centers	Libretexts, 2021 [46]
<i>Acinetobacter spp.</i>	-ve	CHROMagar Acinetobacter	Red colonies	Ajao et al., 2011 [47]
<i>Proteus spp.</i>	-ve	MacConkey agar	Smooth, pale, or colorless colonies	Tankeshwar & Tankeshwar, 2022 [48]
<i>Staphylococcus aureus</i>	+ve	Mannitol salt agar (MSA)	Yellow, round colonies	Missiakas & Schneewind, 2013 [49]
<i>Staphylococcus spp.</i>	+ve	Mannitol salt agar (MSA)	Yellow, round colonies	Missiakas & Schneewind, 2013 [49]
<i>Streptococcus spp.</i>	+ve	Blood agar	Grayish-white, smooth, glossy, and translucent colonies	Hossain, 2014 [50]
<i>Enterococcus spp.</i>	+ve	M-enterococcus (ME) agar	Round, pink to dark maroon-colored colonies	"M-enterococcus (ME) Agar," 2003 [51]

Table S4. Biochemical test interpretation for different organisms.

Organism	Motility	Indole	Urease	Catalase	Oxidase	MR	VP	Citrate utilization	Glucose Ferm.	Sucrose Ferm.	Lactose Ferm.	Gas Prod.	H ₂ S Prod.	Hemolysis	Reference
<i>Escherichia coli</i>	+ve	+ve	-ve	+ve	-ve	+ve	-ve	-ve	+ve	variable	+ve	+ve	-ve	Alpha/Beta/Gamma	Aryal, 2022 [52]
<i>Pseudomonas spp.</i>	+ve	-ve	-ve	+ve	+ve	-ve	-ve	+ve	-ve	-ve	-ve	+ve	-ve	Beta	Aryal, 2022 [53]
<i>Klebsiella spp.</i>	-ve	-ve	+ve	+ve	-ve	-ve	+ve	+ve	+ve	+ve	+ve	+ve	-ve	Gamma	Aryal, 2022 [54]
<i>Moraxella spp.</i>	-ve	-ve	-ve	+ve	+ve	-ve		-ve	-ve	-ve	-ve	-ve	-ve	Gamma	Sheikh et al., 2020) [55]
<i>Enterobacter spp.</i>	+ve	-ve	-ve	+ve	-ve	-ve	+ve	+ve	+ve	+ve	+ve	+ve	-ve		Aryal, 2022 [56]
<i>Acinetobacter spp.</i>	-ve	-ve	-ve	+ve	-ve	-ve	-ve	+ve	+ve	-ve	variable	-ve	-ve	Gamma	Aryal, 2022 [57]
<i>Proteus spp.</i>	+ve	variable	+ve	+ve	-ve	+ve	-ve	variable	+ve	-ve	-ve	variable	+ve	Gamma/Beta	Aryal, 2022 [58]
<i>Staphylococcus aureus*</i>	-ve	-ve	+ve	+ve	-ve	+ve	+ve	+ve	+ve	+ve	+ve	-ve	-ve	Beta	Aryal, 2022 [59]
<i>Streptococcus spp.</i>	-ve	-ve	-ve	-ve	-ve	+ve	-ve	+ve	+ve	+ve	+ve	-ve	-ve	Beta	Batra, 2020 [60]
<i>Enterococcus spp.</i>	-ve	-ve	-ve	-ve	-ve		+ve	-ve	+ve	variable	+ve	-ve	-ve	Gamma/Alpha	Aryal, 2022 [61]

**Staphylococcus aureus* was further differentiated from the other *Staphylococcus spp.* by coagulase test. *Staphylococcus aureus* is coagulase positive. MR: Methyl red test; VP: Voges-Proskauer test