

Table 1 Phenotypic and genotypic characteristics of ESBL isolates

Isolate	Specimen	Disc diffusion resistance patterns	Agar dilution MICs (mg/L)		PCR amplification			Conjugation transfer		
			CTX	CAZ	ESBL	ISEcp/	CTX-M/ ISEcp/ association	ERIC profile	ESBL	Co-transferred resistances
<i>Escherichia coli</i> (Ec61)	Tracheal secretion	CTX, CAZ, FEP, ATM, GM, TM, AN, NET, CIP, SXT	512	128	CTX-M-15	+	+	A1	+	GM, TM, AN, SXT
<i>E. coli</i> (Ec68)	Urine	CTX, CAZ, FEP, ATM, GM, TM, NET, CIP, SXT	64	8	CTX-M-15	-	+	A2	NT	NT
<i>E. coli</i> (Ec69)	Urine	CTX, CAZ, FEP, ATM, GM, TM, NET, CIP, SXT	64	16	CTX-M-15	-	+	A3	+	GM, TM
<i>E. coli</i> (Ec79)	Urine	CTX, CAZ, FEP, ATM, GM, TM, NET, CIP, SXT	64	8	CTX-M-15	-	+	A4	NT	NT
<i>Klebsiella pneumoniae</i> (Kp62)	Urine	CTX, CAZ, FEP, ATM, GM, TM, NET, CIP, SXT	128	16	CTX-M-15	+	+	B1	NT	NT
<i>K. pneumoniae</i> (Kp63)	Tracheal secretion	CTX, CAZ, FEP, ATM, GM, TM, NET, CIP, SXT	256	32	CTX-M-15	+	+	B2	+	GM
<i>K. pneumoniae</i> (Kp66)	Tracheal secretion	CTX, CAZ, FEP, ATM, GM, TM, NET, CIP, SXT	256	32	CTX-M-15	+	+	B2	NT	NT
<i>K. pneumoniae</i> (Kp74)	Surfaces	CTX, CAZ, FEP, ATM, GM, TM, NET, CIP, SXT	256	32	CTX-M-15	+	+	B2	NT	NT
<i>K. pneumoniae</i> (Kp82)	Urine	CTX, CAZ, FEP, ATM, GM, TM, NET, CIP, SXT	256	32	CTX-M-15	+	+	B2	NT	NT
<i>Enterobacter cloacae</i> (Et17)	Urine	CTX, CAZ, FEP, ATM, GM, TM, NET, CIP, SXT	64	4	CTX-M-15	-	+	C1	NT	NT
<i>Ent. cloacae</i> (Et19)	Surfaces	CTX, CAZ, FEP, ATM, GM, TM, NET, CIP, SXT	64	16	CTX-M-15	+	+	C2	NT	NT

MIC = minimum inhibitory concentration; PCR = polymerase chain reaction.

CTX = cefotaxime, CAZ = ceftazidime, ESBL = extended spectrum beta-lactamases, ERIC = enterobacterial repetitive intergenic consensus.

FEP = ceftepime, ATM = aztreonam, GM = gentamicin, TM = tobramycin, NET = netilmicin, CIP = ciprofloxacin, SXT = trimethoprim/sulfamethoxazole; NT = no transfer.

+ = present, - = absent.