

Table 1. Antibiotic resistance pattern among MDR isolates

Number	The number of isolates	Antibiotic resistance pattern
1	33	AMO, SXT, CIP, NOR, CAZ, CTX
2	12	AMO, SXT, CIP, NOR, GM, CAZ, CTX
3	4	AMO, SXT, GM, CAZ, CTX
4	3	AMO, SXT, CIP, CAZ, CTX
5	3	AMO, CIP, NOR, GM, CAZ, CTX
6	2	AMO, SXT, CIP, NOR, GM, AN, CAZ, CTX
7	2	AMO, SXT, CIP, NOR
8	2	AMO, SXT, CIP, NOR, CTX
9	2	AMO, SXT, GM
9	2	AMO, MER, SXT, CIP, NOR, CAZ, CTX
10	1	AMO, SXT, CIP, NOR, GM, AN
11	1	AMO, SXT, CIP, CTX
12	1	AMO, SXT, CIP, GM, CAZ, CTX
13	1	AMO, MER, CIP, NOR, GM, CAZ, CTX
14	1	AMO, SXT, CIP, NOR, GM

Table 2. Resistance to different antibiotics in isolates with and without ESBLs

Antibiotic	ESBL-carrying strains, (%)	Non-ESBL-carrying strains, (%)	P value
Amoxicillin	100	54.3	0.0001
Trimethoprim/sulfamethoxazole	83.9	52.1	0.0001
Ciprofloxacin	80.4	35.1	0.001
Norfloxacin	73.2	30.9	0.001
Gentamicin	39.3	7.4	0.0001
Amikacin	3.6	1.1	0.55
Meropenem	5.4	2.1	0.36
Cefotaxime	100	28.7	0.00001
Ceftazidime	98.2	28.5	0.0001

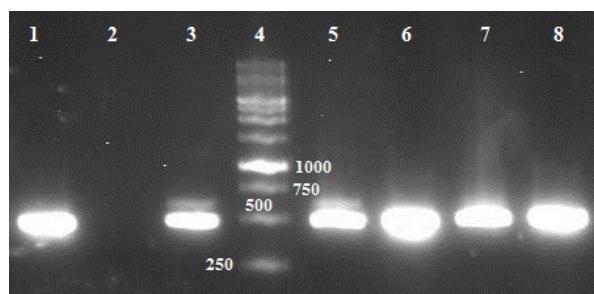


Figure 1. Electrophoresis of the PCR of the Integrazase Genes on the Agarose Gel. 1, positive control; 2, negative control of *E. coli* K12; 3 and 5-8; isolates with integrase gene; 4, 1kb ladder mix DNA marker.

Table 3. Resistance to different antibiotics in integron-carrying strains and non-integron-carrying strains

Antibiotic	Integron-carrying strains, %	Non-integron-carrying strains, %	P value
Amoxicillin	88.2	66.4	0.017
Trimethoprim/sulfamethoxazole	88.2	56.9	0.001
Ciprofloxacin	61.8	49.1	0.243
Norfloxacin	55.9	44	0.245
Gentamicin	38.2	13.8	0.003
Amikacin	8.8	0	-
Meropenem	0	4.3	-
Cefotaxime	61.8	53.4	0.437
Ceftazidime	55.9	51.7	0.7.

Table 4. Distribution of isolates with integrase gene with an antibiotic resistance pattern

Pattern number	The number of isolates	Antibiotic resistance pattern
1	6	AMO, SXT, CIP, NOR, GM, CAZ, CTX
2	6	AMO, SXT, CIP, NOR, CAZ, CTX
3	3	AMO, SXT
4	2	AMO, SXT, CIP, NOR, GM, AN, CAZ, CTX
5	2	AMO, CIP, NOR, CAZ, CTX
6	2	AMO, SXT, GM, CAZ, CTX
7	2	AMO, SXT, CAZ, CTX
8	1	AMO, SXT, CIP, NOR, GM
9	1	AMO, SXT, CIP, CTX
10	1	AMO, SXT, CIP
11	1	AMO, SXT, GM
12	1	SXT
13	1	AMO, SXT, CIP, NOR, GM, AN
14	1	AMO, SXT, CIP, NOR
15	1	AMO, SXT, CIP, NOR, CTX

AMO, Amoxicillin; SXT, Trimethoprim/sulfamethoxazole; CIP, Ciprofloxacin; NOR, Norfloxacin; CAZ, Ceftazidime; CTX, Cefotaxime; GM, Gentamicin; AN, Amikacin.