

DATE

JANUARY 1 - MARCH 31, 2018

ORGANISM:

Escherichia coli

WARD:

OB/GYNE

SPECIMEN:

Urine

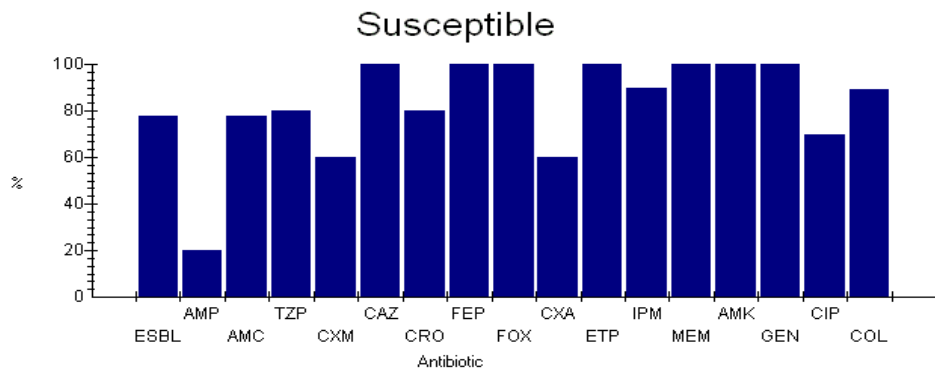
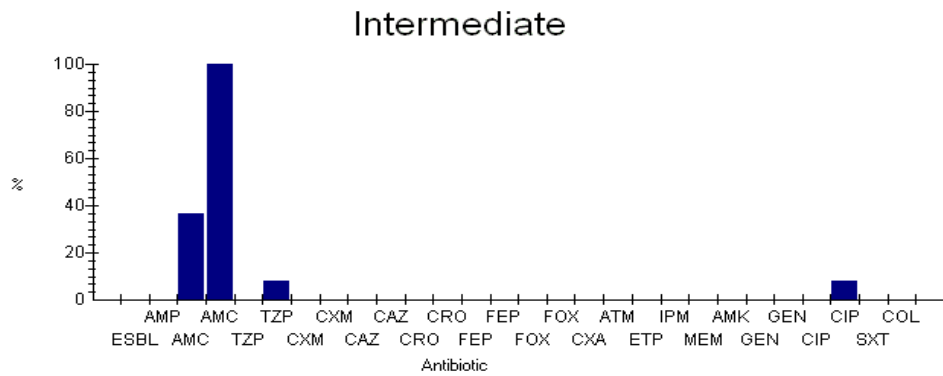
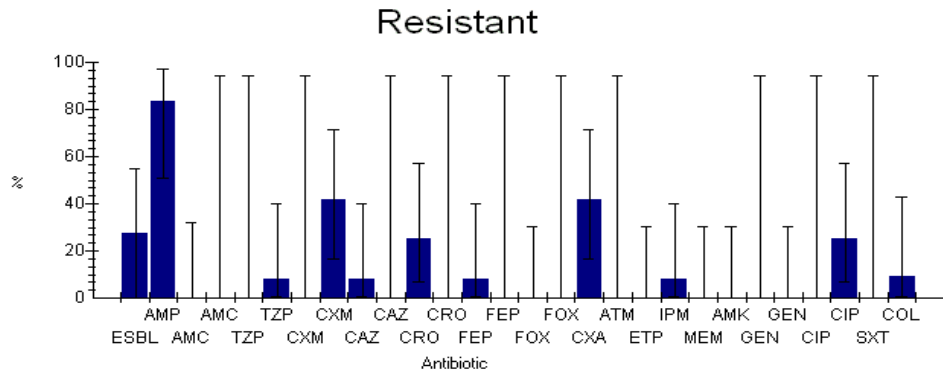
NUMBER OF ISOLATES:

12

Antibiotic name	Breakpoints	Number	%R	%I	%S
ESBL		11	27.3		72.7
Ampicillin	S<=8 R>=32	12	83.3	0	16.7
Amoxicillin/Clavulanic acid	S<=8 R>=32	11	0	36.4	63.6
Amoxicillin/Clavulanic acid	12 - 17	1	0	100	0
Piperacillin/Tazobactam	17 - 21	1	0	0	100
Piperacillin/Tazobactam	S<=16 R>=128	12	8.3	8.3	83.3
Cefuroxime	15 - 17	1	0	0	100
Cefuroxime	S<=8 R>=32	12	41.7	0	58.3
Ceftazidime	S<=4 R>=16	12	8.3	0	91.7
Ceftazidime	18 - 20	1	0	0	100
Ceftriaxone	S<=1 R>=4	12	25	0	75
Ceftriaxone	20 - 22	1	0	0	100
Cefepime	S<=8 R>=32	12	8.3	0	91.7
Cefepime	15 - 17	1	0	0	100
Cefoxitin	S<=8 R>=32	12	0	0	100
Cefoxitin	15 - 17	1	0	0	100
Cefuroxime axetil	S<=4 R>=32	12	41.7	0	58.3
Aztreonam	18 - 20	1	0	0	100
Ertapenem	S<=.5 R>=2	12	0	0	100
Imipenem	S<=1 R>=4	12	8.3	0	91.7
Meropenem	S<=1 R>=4	12	0	0	100
Amikacin	S<=16 R>=64	12	0	0	100
Gentamicin	13 - 14	1	0	0	100
Gentamicin	S<=4 R>=16	12	0	0	100
Ciprofloxacin	16 - 20	1	0	0	100
Ciprofloxacin	S<=1 R>=4	12	25	8.3	66.7
Trimethoprim/Sulfamethoxazole	11 - 15	1	0	0	100
Colistin	S<=2 R>=8	11	9.1	0	90.9

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Code	Antibiotic r Breakpoint	Number	%R	%I	%S	%R9 5%C. MIC50	
ESBL	ESBL	11	27.3			72.7	
AMP_NM	Ampicillin S<=8 R>	12	83.3	0		16.7 50.8-97.0	32
AMC_NM	Amoxicillin S<=8 R>	11	0	36.4		63.6 0.0-32.1	8
AMC_ND2	Amoxicillin 12 - 17	1	0	100		0 0.0-94.5	
TZP_ND1	Piperacillin 17 - 21	1	0	0		100 0.0-94.5	
TZP_NM	Piperacillin S<=16 R>	12	8.3	8.3		83.3 0.4-40.2	4
CXM_ND3	Cefuroxime 15 - 17	1	0	0		100 0.0-94.5	
CXM_NM	Cefuroxime S<=8 R>	12	41.7	0		58.3 16.5-71.4	4
CAZ_NM	Ceftazidim S<=4 R>	12	8.3	0		91.7 0.4-40.2	1
CAZ_ND3	Ceftazidim 18 - 20	1	0	0		100 0.0-94.5	
CRO_NM	Ceftriaxon S<=1 R>	12	25	0		75 6.7-57.2	1
CRO_ND3	Ceftriaxon 20 - 22	1	0	0		100 0.0-94.5	
FEP_NM	Cefepime S<=8 R>	12	8.3	0		91.7 0.4-40.2	1
FEP_ND3	Cefepime 15 - 17	1	0	0		100 0.0-94.5	
FOX_NM	Cefoxitin S<=8 R>	12	0	0		100 0.0-30.1	4
FOX_ND3	Cefoxitin 15 - 17	1	0	0		100 0.0-94.5	
CXA_NM	Cefuroxime S<=4 R>	12	41.7	0		58.3 16.5-71.4	4
ATM_ND3	Aztreonam 18 - 20	1	0	0		100 0.0-94.5	
ETP_NM	Ertapenem S<=.5 R>	12	0	0		100 0.0-30.1	0.5
IPM_NM	Imipenem S<=1 R>	12	8.3	0		91.7 0.4-40.2	0.25
MEM_NM	Meropener S<=1 R>	12	0	0		100 0.0-30.1	0.25
AMK_NM	Amikacin S<=16 R>	12	0	0		100 0.0-30.1	2
GEN_ND1	Gentamicin 13 - 14	1	0	0		100 0.0-94.5	
GEN_NM	Gentamicin S<=4 R>	12	0	0		100 0.0-30.1	1
CIP_ND5	Ciprofloxacin 16 - 20	1	0	0		100 0.0-94.5	
CIP_NM	Ciprofloxacin S<=1 R>	12	25	8.3		66.7 6.7-57.2	0.25
SXT_ND1	Trimethoprim 11 - 15	1	0	0		100 0.0-94.5	
COL_NM	Colistin S<=2 R>	11	9.1	0		90.9 0.5-42.9	0.5

MIC90	Geom.Me	MIC Range	Number	6	7	8	9	10
32	22.627	4 - 32	12					
16	7.053	2 - 16	11					
			1					
			1					
64	7.551	4 - 128	12					
			1					
64	11.986	4 - 64	12					
4	1.587	1 - 16	12					
			1					
32	2.119	1 - 64	12					
			1					
2	1.498	1 - 64	12					
			1					
4	4.238	4 - 8	12					
			1					
64	10.679	1 - 64	12					
			1					
0.5	0.5	0.5 - 0.5	12					
1	0.354	0.25 - 4	12					
0.25	0.25	0.25 - 0.25	12					
4	2.245	2 - 4	12					
			1					
1	1	1 - 1	12					
			1					
4	0.63	0.25 - 4	12					
			1					
1	0.73	0.5 - 16	11					

11

12

13

14

15

16

17

18

19

100

20

21

22

23

24

25

26

27

28

100

100

100

100

100

29

30

31

32

33

34

35 >35

$\leq .001$

100

100

100

100

100

0.002 0.004 0.008 0.016 0.032 0.064 0.125 0.25 0.5

100
83.3
100

58.3 8.3
81.8

1	2	4	8	16	32	64	128	256
		16.7			83.3			
	9.1	36.4	18.2	36.4				
		66.7	16.7			8.3	8.3	
		58.3			8.3	33.3		
75		16.7		8.3				
		8.3			8.3	8.3		
83.3	8.3					8.3		
		91.7	8.3					
8.3		50			8.3	33.3		
		8.3						
8.3		8.3						
	83.3	16.7						
100								
	8.3	25						
9.1				9.1				

>256