

Supplementary material:

Table 1: Growth pattern of 52 *E.coli* isolates at sub MIC concentration of heavy metals.

Isolates	Metals					
	Cr ⁶⁺		Cd ²⁺		Ni ³⁺	
	Sub MIC (µg/ml)	Growth Pattern	Sub MIC (µg/ml)	Growth Pattern	Sub MIC (µg/ml)	Growth Pattern
EC1	1200	+	50	+	1600	+
EC2	1200	+	100	+	1600	+
EC3	1200	+	100	+	1600	+
EC4	800	+	50	+	1600	++
EC5	400	++	50	+	1600	++
EC6	50	+	50	+	1600	++
EC7	50	+	100	+	1600	+
EC8	50	+	50	+	1600	+
EC9	400	++	50	+	1600	+
EC10	400	+	400	+	1600	+
EC11	800	+	50	+	1600	+
EC12	400	+	50	+	1600	+
EC13	1200	+	800	+	800	++
EC14	50	+	800	+	800	+
EC15	1200	+	50	+	800	+
EC16	1200	+	400	+	800	+
EC17	50	+	400	+	800	+
EC18	50	+	400	+	200	++
EC19	50	+	800	+	800	++
EC20	400	+	50	+	400	++
EC21	1200	+	50	+	800	+
EC22	400	+	400	+	400	+
EC23	800	++	200	+	800	+
EC24	1200	+	800	+	800	++
EC25	400	+	800	+	400	++
EC26	200	+	100	++	800	++
EC27	1200	+	400	+	800	+
EC28	800	++	200	+	800	++
EC29	800	+	200	++	800	+
EC30	800	+	200	+	200	+
EC31	800	+	100	++	800	++
EC32	800	+	100	++	400	++
EC33	400	+++	400	+	400	+
EC34	200	+	100	+	400	+
EC35	200	+	100	+	200	++
EC36	400	+++	400	+	400	+
EC37	200	+++	400	+	200	+++
EC38	200	+	400	+	200	+++
EC39	200	++	200	+	200	++
EC40	200	++	200	+	100	+++
EC41	200	++	100	+	200	+
EC42	200	+	100	+	200	++
EC43	800	+	100	+	200	++
EC44	400	+	200	+	400	+
EC45	400	++	200	+	200	+
EC46	400	+	100	+	400	++
EC47	400	+	100	+	100	+++
EC48	400	++	200	+	100	+++
EC49	400	+++	200	+	400	++
EC50	800	++	100	+	100	+++
EC51	400	+	200	+	100	+++
EC52	400	+++	50	+	100	+++

EC=*E. coli*, +=less growth, ++=Moderate growth, +++= High growth and - = growth not detected

Table 2: Percentage of resistance against antibiotics/ drugs in 52 *E. coli* isolates from the hospital wastewater.

Antibiotics	Concentration (ug/disc)	No of Resistant isolates	Percentage %
Cephradin	25	30	57.69
Chloramphenicol	30	2	3.84
Erythromycin	15	14	26.92
Gentamycine	30	1	1.92
Methicillin	30	45	86.53
Nalidixic acid	30	13	25
Neomycin	30	0	0
Penicillin	10	38	73.07
Rifampicin	2	18	34.61
Streptomycin	25	0	0

Table 3: Antibiotic resistance pattern in 52 *E. coli* isolates from the hospital wastewater.

No. of antibiotics	Resistance pattern	No of resistant isolates	Percentage (%)	MAR
1	M	12	25	
	P	1		
2	M, E	1	5.76	0.02
	M, P	1		
	P, CH	7		
3	M, P, CH	7	13	0.04
			25	0.03
4	M, P, CH, Rif,	6		
	M, P, NA, CH	2		
	M, P, CH, E,	3		
	M, P, E, Rif	1		
5	M, P, NA, CH, Rif	3	13.46	0.07
	M, P, NA, E, Rif	1		
	M, P, NA, CH, E	3		
6	M, P, C, NA, CH, Rif	1	7.69	0.15
	M, P, NA, CH, E, Rif	1		
	M, P, Gen, NA, CH, E	1		
	M, P, C, NA, CH, E,	1		

M = Methicillin; P = Penicillin; C = Chloramphenicol; NA = Nalidixic Acid; CH = Cephradin
E = Erythromycin; Rif = Rifampicin