

## National Antimicrobial Resistance Monitoring System - Animal Arm

Table 1. Percent Resistance in *Salmonella* from Slaughter<sup>a</sup> Turkey

Antimicrobial	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Number of Isolates Tested	107	240	713	518	550	244	262	236	227	304	271	148	121	151	103
Amikacin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Not Tested
Amoxicillin/Clavulanic Acid	4.7	0.4	4.3	3.5	6.9	3.7	1.5	4.7	3.5	5.6	11.1	5.4	13.2	15.2	11.7
Ampicillin	12.1	10.4	17.7	16.2	19.5	18.0	18.7	22.0	22.9	25.3	36.9	32.4	38.8	44.4	27.2
Apramycin	0.9	0.8	0.6	0.6	0.4	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
Azithromycin	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	0.0
Cefoxitin	Not Tested	Not Tested	Not Tested	3.3	4.5	2.5	1.1	5.1	3.5	5.3	9.2	5.4	12.4	15.2	11.7
Ceftiofur	3.7	0.4	4.6	3.3	5.1	3.3	1.5	4.7	3.5	5.3	11.1	5.4	12.4	15.2	11.7
Ceftriaxone	3.7	0.4	4.2	3.1	4.7	3.3	1.1	4.7	3.5	5.3	11.1	5.4	12.4	15.2	11.7
Cephalothin	5.6	5.0	10.5	8.3	13.1	9.8	11.1	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
Chloramphenicol	3.7	0.8	4.1	4.1	3.8	5.3	4.2	4.7	4.8	3.9	5.5	2.7	3.3	4.6	Not Tested
Ciprofloxacin <sup>b</sup>	0.0	0.4	0.0	0.4	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gentamicin	20.6	18.3	17.5	16.2	20.9	19.3	21.0	25.4	22.9	16.4	12.9	16.9	14.9	19.9	16.5
Imipenem	Not Tested	Not Tested	Not Tested	Not Tested	0.0	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
Kanamycin	24.3	17.1	21.5	21.4	22.9	24.2	16.0	14.4	19.8	10.5	16.2	14.2	10.7	19.2	Not Tested
Nalidixic Acid	4.7	2.1	5.3	5.4	5.1	5.3	3.8	2.1	2.2	0.7	1.1	0.7	0.8	0.7	0.0
Streptomycin	34.6	40.8	43.6	41.9	46.7	37.7	29.4	33.9	40.1	28.9	34.7	32.4	38.8	27.8	22.3
Sulfonamides (Sulfamethoxazole: 1997-2003, Sulfizoxazole: 2004-2011)	37.4	32.1	36.0	25.1	38.0	30.3	28.2	36.4	37.0	27.3	25.5	24.3	28.9	25.2	22.3
Tetracycline	52.3	45.8	52.9	56.2	54.9	54.5	58.8	48.3	54.6	61.8	73.8	64.2	63.6	57.6	45.6
Ticarcillin	12.1	10.8	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
Trimethoprim/ Sulfamethoxazole	3.7	2.5	4.2	1.5	2.5	2.5	2.3	0.8	1.8	1.0	1.1	1.4	1.7	0.0	0.0

<sup>a</sup> Isolates obtained from slaughter processing plants (carcass swabs & ground product).

<sup>b</sup> In this table, the revised ciprofloxacin breakpoints from the CLSI M100-S22 document, published in January 2012, were used for interpretation. In previous reports the ciprofloxacin breakpoints from the CLSI M100-S21 were used.