

National Antimicrobial Resistance Monitoring System - Animal Arm

Table 1. Percent Resistance in *Salmonella* from Slaughter^a Chicken

Antimicrobial	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Number of Isolates Tested	214	561	1438	1173	1307	1500	1158	1280	1989	1380	994	624	551	564	491
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	0.5	2.0	4.9	7.3	4.5	10.2	9.7	12.4	12.1	12.9	15.6	8.7	12.9	11.7	6.3
Ampicillin	11.7	13.0	12.4	13.0	9.4	14.3	13.7	14.5	14.0	14.9	17.0	10.6	13.8	13.7	7.3
Apramycin	0.0	0.2	0.1	0.7	0.6	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	7.2	4.1	8.7	8.2	12.4	12.0	12.8	13.0	8.0	11.4	11.3	6.5
Ceftiofur	0.5	2.0	5.2	7.6	4.1	10.2	9.8	12.4	12.2	12.8	15.4	8.7	12.7	12.1	6.1
Ceftriaxone	0.5	1.8	4.6	7.4	4.1	9.9	9.7	12.3	12.2	12.8	15.6	8.7	12.9	11.9	6.3
Cephalothin	1.4	4.4	5.8	7.8	4.7	10.5	10.4	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
Chloramphenicol	2.3	2.8	1.8	4.6	2.5	2.4	2.1	1.3	1.8	1.7	1.8	1.8	1.6	3.0	0.4
Ciprofloxacin ^b	0.0	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gentamicin	17.8	15.5	10.4	14.9	7.9	5.5	6.3	4.9	4.3	5.7	4.5	5.6	5.6	4.6	3.9
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	2.3	3.2	1.2	4.0	2.4	2.0	2.8	2.7	2.5	3.6	3.4	3.4	3.1	4.3	0.6
Nalidixic Acid	0.0	0.2	0.2	0.5	0.0	0.8	0.4	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.0
Streptomycin	24.3	27.8	27.5	28.6	21.0	22.9	19.6	22.2	23.3	21.2	19.3	25.2	30.5	36.0	35.8
Sulfonamides (Sulfamethoxazole: 1997-2003, Sulfizoxazole: 2004-2011)	24.8	23.8	15.9	18.4	11.8	8.9	10.3	11.9	8.5	10.7	10.4	13.3	10.0	12.4	7.9
Tetracycline	20.6	20.5	25.0	26.3	21.9	24.9	26.2	27.4	28.3	31.8	35.5	30.4	33.9	41.8	40.9
Ticarillin	11.7	11.7	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	0.5	1.4	1.1	0.4	0.5	0.8	0.3	0.2	0.2	0.1	0.0	0.3	0.2	0.0	0.2

^a Isolates obtained from slaughter processing plants (carcass swabs & ground product).

^b 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.