

National Antimicrobial Resistance Monitoring System Animal Isolates

Table 1. Percent Resistance in *Salmonella* Isolates from Diagnostic^a Swine

Antimicrobial	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Amikacin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.0
Amoxicillin/Clavulanic Acid	0.5	3.5	4.1	11.8	8.1	7.3	13.4	14.1	15.8	18.6
Ampicillin	23.6	29.5	42.6	50.3	52.8	55.7	57.1	54.1	55.2	45.5
Apramycin	3.6	8.1	7.2	5.4	3.2	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
Cefoxitin	Not Tested	Not Tested	Not Tested	11.3	5.8	5.4	12.2	14.0	16.2	18.6
Ceftiofur	0.0	3.1	4.9	10.9	5.7	5.3	13.9	14.0	15.6	18.6
Ceftriaxone ^b	0.0	3.1	3.5	10.7	5.7	5.3	13.4	13.5	15.6	19.3
Cephalothin	0.5	3.9	4.9	12.4	6.1	6.7	14.7	Not Tested	Not Tested	Not Tested
Chloramphenicol	15.4	16.3	24.1	24.5	18.8	20.9	27.9	35.1	33.3	32.4
Ciprofloxacin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gentamicin	4.6	8.5	10.7	11.5	6.4	6.2	6.6	10.2	9.7	9.0
Imipenem	Not Tested	Not Tested	Not Tested	Not Tested	0.0	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
Kanamycin	19.0	24.0	20.6	22.5	16.4	13.6	16.4	19.9	21.4	20.7
Nalidixic Acid	0.0	0.0	0.3	0.2	0.9	0.5	0.4	0.4	0.2	0.0
Streptomycin	38.5	58.5	58.8	63.1	65.4	71.3	75.5	65.7	64.6	60.0
Sulfamethoxazole (Sulfizoxazole in 2004)	44.1	59.3	60.9	65.1	69.6	61.7	65.5	69.4	65.5	63.4
Tetracycline	75.4	72.5	64.1	69.9	76.5	76.2	77.4	75.7	73.9	81.4
Ticarcillin	23.6	28.3	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
Trimethoprim/ Sulfamethoxazole	13.3	5.4	4.6	12.6	4.5	3.6	8.1	8.0	7.9	12.4

^a Isolates obtained from the National Veterinary Service Laboratories (the majority of isolates were from primary or secondary infections) and from participating Sentinel Site Diagnostic Laboratories.

^b In this table, the revised ceftriaxone breakpoints from the CLSI M100-S20 document, published in January 2010, were used for interpretation. In previous reports the ceftriaxone breakpoints from the CLSI M100-S19 were used.

Table 2. Number of *Salmonella* Isolates Tested from Diagnostic Swine

Number tested	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Swine	195	258	345	485	654	741	469	937	495	145