

Table 12a. Antimicrobial Resistance among *Salmonella* Enteritidis Isolates from Food Animals, by Year, 1997-2005

Year		1997	1998	1999	2000	2001	2002	2003	2004	2005	
Number of Isolates Tested											
	Chickens	1	13	41	31	21	48	42	84	173	
	Turkeys	0	0	1	1	0	0	0	0	0	
	Cattle	1	1	8	4	4	6	3	2	2	
	Swine	0	0	2	1	1	1	1	1	0	
Antimicrobial Class	Antimicrobial	Isolate Source									
Aminoglycosides	Amikacin	Chickens	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
		Turkeys			0.0% 0	0.0% 0					
		Cattle	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
		Swine			0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	
	Gentamicin	Chickens	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	1.2% 1	0.0% 0
		Turkeys			0.0% 0	0.0% 0					
		Cattle	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
		Swine			0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	
	Kanamycin	Chickens	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	2.1% 1	0.0% 0	0.0% 0	0.0% 0
		Turkeys			0.0% 0	0.0% 0					
		Cattle	0.0% 0	0.0% 0	12.5% 1	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0
		Swine			0.0% 0	0.0% 0	100.0% 1	0.0% 0	0.0% 0	0.0% 0	
	Streptomycin	Chickens	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	2.1% 1	0.0% 0	1.2% 1	0.6% 1
		Turkeys			0.0% 0	0.0% 0					
		Cattle	0.0% 0	0.0% 0	12.5% 1	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0
		Swine			0.0% 0	0.0% 0	100.0% 1	0.0% 0	0.0% 0	0.0% 0	
Aminopenicillins	Ampicillin	Chickens	100.0% 1	30.8% 4	12.2% 5	9.7% 3	0.0% 0	4.2% 2	0.0% 0	1.2% 1	1.2% 2
		Turkeys			0.0% 0	0.0% 0					
		Cattle	0.0% 0	100.0% 1	12.5% 1	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0
		Swine			0.0% 0	0.0% 0	100.0% 1	0.0% 0	0.0% 0	0.0% 0	

Table 12b. Antimicrobial Resistance among *Salmonella* Enteritidis Isolates from Food Animals, by Year, 1997-2005

Year		1997	1998	1999	2000	2001	2002	2003	2004	2005		
Number of Isolates Tested												
	Chickens	1	13	41	31	21	48	42	84	173		
	Turkeys	0	0	1	1	0	0	0	0	0		
	Cattle	1	1	8	4	4	6	3	2	2		
	Swine	0	0	2	1	1	1	1	1	0		
Antimicrobial Class	Antimicrobial	Isolate Source										
β-Lactam/β-Lactamase Inhibitor Combinations	Amoxicillin-Clavulanic Acid	Chickens	0.0% 0	0.0% 0	2.4% 1	3.2% 1	0.0% 0	4.2% 2	0.0% 0	1.2% 1	0.6% 1	
		Turkeys			0.0% 0	0.0% 0						
		Cattle	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	
		Swine			0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0		
	Cephalosporins	Ceftiofur	Chickens	0.0% 0	0.0% 0	4.9% 2	3.2% 1	0.0% 0	4.2% 2	0.0% 0	1.2% 1	1.2% 2
			Turkeys			0.0% 0	0.0% 0					
			Cattle	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
			Swine			0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	
		Ceftriaxone	Chickens	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	2.1% 1	0.0% 0	0.0% 0	0.0% 0
			Turkeys			0.0% 0	0.0% 0					
			Cattle	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
			Swine			0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	
		Cephalothin	Chickens	0.0% 0	7.7% 1	4.9% 2	0.0% 0	0.0% 0	4.2% 2	0.0% 0		
			Turkeys			0.0% 0	0.0% 0					
			Cattle	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0		
			Swine			0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0		
Cephamycins	Cefoxitin	Chickens				0.0% 0	0.0% 0	2.1% 1	0.0% 0	1.2% 1	0.6% 1	
		Turkeys				0.0% 0						
		Cattle				0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	
		Swine				0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0		

Table 12c. Antimicrobial Resistance among *Salmonella* Enteritidis Isolates from Food Animals, by Year, 1997-2005

Year		1997	1998	1999	2000	2001	2002	2003	2004	2005	
Number of Isolates Tested	Chickens	1	13	41	31	21	48	42	84	173	
	Turkeys	0	0	1	1	0	0	0	0	0	
	Cattle	1	1	8	4	4	6	3	2	2	
	Swine	0	0	2	1	1	1	1	1	0	
Antimicrobial Class	Antimicrobial	Isolate Source									
Folate Pathway Inhibitors	Sulfonamides	Chickens	0.0% 0	0.0% 0	4.9% 2	3.2% 1	0.0% 0	4.2% 2	2.4% 1	1.2% 1	0.0% 0
		Turkeys			0.0% 0	0.0% 0					
		Cattle	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
		Swine			0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	
	Trimethoprim-Sulfamethoxazole	Chickens	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
		Turkeys			0.0% 0	0.0% 0					
		Cattle	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
		Swine			0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	
Phenicol	Chloramphenicol	Chickens	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.6% 1
		Turkeys			0.0% 0	0.0% 0					
		Cattle	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
		Swine			0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	
Quinolones	Ciprofloxacin	Chickens	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
		Turkeys			0.0% 0	0.0% 0					
		Cattle	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
		Swine			0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	
	Nalidixic Acid	Chickens	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.6% 1
		Turkeys			0.0% 0	0.0% 0					
		Cattle	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
		Swine			0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	
Tetracyclines	Tetracycline	Chickens	0.0% 0	0.0% 0	7.3% 3	0.0% 0	0.0% 0	2.1% 1	2.4% 1	2.4% 2	0.6% 1
		Turkeys			0.0% 0	0.0% 0					
		Cattle	0.0% 0	100.0% 1	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0
		Swine			0.0% 0	0.0% 0	100.0% 1	0.0% 0	0.0% 0	0.0% 0	