

Table 3B. Antimicrobial Resistance among *Campylobacter* from Chicken, 1998-2007^{1,2}

Year		1998	1999	2000	2001 ³	2002	2003	2004	2005	2006	2007	
Number of Isolates Tested		<i>C. coli</i> 63	<i>C. coli</i> 168	<i>C. coli</i> 172	<i>C. coli</i> 52	<i>C. coli</i> 288	<i>C. coli</i> 247	<i>C. coli</i> 186	<i>C. coli</i> 380	<i>C. coli</i> 123	<i>C. coli</i> 76	
		<i>C. jejuni</i> 128	<i>C. jejuni</i> 563	<i>C. jejuni</i> 590	<i>C. jejuni</i> 64	<i>C. jejuni</i> 526	<i>C. jejuni</i> 374	<i>C. jejuni</i> 508	<i>C. jejuni</i> 567	<i>C. jejuni</i> 228	<i>C. jejuni</i> 166	
Antimicrobial Class	Antimicrobial	Isolate Species										
Aminoglycosides	Gentamicin	<i>C. coli</i>	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.3% 1	0.0% 0	1.3% 1
		<i>C. jejuni</i>	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	0.0% 0
Lincosamides	Clindamycin	<i>C. coli</i>	20.6% 13	12.5% 21	12.8% 22	3.8% 2	8.3% 24	8.9% 22	4.8% 9	2.4% 9	1.6% 2	9.2% 7
		<i>C. jejuni</i>	3.9% 5	0.5% 3	0.2% 1	0.0% 0	0.8% 4	1.1% 4	0.8% 4	0.4% 2	0.0% 0	0.0% 0
Macrolides/ Ketolides	Azithromycin	<i>C. coli</i>	25.4% 16	14.9% 25	22.7% 39	11.5% 6	19.4% 56	20.2% 50	9.1% 17	8.4% 32	8.9% 11	14.5% 11
		<i>C. jejuni</i>	3.1% 4	0.4% 2	0.7% 4	3.1% 2	1.0% 5	1.3% 5	1.6% 8	1.4% 8	0.4% 1	0.0% 0
	Erythromycin	<i>C. coli</i>	23.8% 15	14.9% 25	22.7% 39	11.5% 6	18.8% 54	20.2% 50	9.1% 17	8.4% 32	8.9% 11	14.5% 11
		<i>C. jejuni</i>	3.1% 4	0.2% 1	0.5% 3	3.1% 2	0.6% 3	1.6% 6	1.6% 8	1.1% 6	0.4% 1	0.0% 0
	Telithromycin	<i>C. coli</i>								5.5% 21	6.5% 8	13.2% 10
		<i>C. jejuni</i>								0.4% 2	0.0% 0	0.0% 0
Phenicol	Chloramphenicol	<i>C. coli</i>	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0				
		<i>C. jejuni</i>	0.0% 0	0.0% 0 ⁴	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0			
	Florfenicol	<i>C. coli</i>								0.0% 0	0.0% 0	0.0% 0
		<i>C. jejuni</i>								0.0% 0	0.0% 0	0.0% 0
Quinolones	Ciprofloxacin	<i>C. coli</i>	20.6% 13	13.7% 23	14.5% 25	19.2% 10	16.0% 46	20.2% 50	26.3% 49	22.1% 84	15.4% 19	15.8% 12
		<i>C. jejuni</i>	9.4% 12	9.6% 54	10.5% 62	20.3% 13	18.6% 98	14.7% 55	21.3% 108	15.0% 85	8.8% 20	21.7% 36
	Nalidixic acid	<i>C. coli</i>	31.7% 20	17.3% 29	16.3% 28	21.2% 11	18.1% 52	21.9% 54	28.0% 52	22.1% 84	15.4% 19	15.8% 12
		<i>C. jejuni</i>	14.8% 19	11.9% 67	12.2% 72	20.3% 13	22.8% 120	15.5% 58	21.7% 110	15.3% 87	8.8% 20	21.7% 36
Tetracyclines	Tetracycline	<i>C. coli</i>	61.9% 39	57.7% 97	57.6% 99	57.7% 30	49.0% 141	51.0% 126	48.4% 90	42.1% 160	53.7% 66	42.1% 32
		<i>C. jejuni</i>	58.6% 75	53.3% 300	52.9% 312	34.4% 22	44.7% 235	47.1% 176	41.1% 209	44.1% 250	56.1% 128	56.6% 94

¹From 1998 through 2004, the Etest method was used for susceptibility testing while in 2005 testing was conducted using broth microdilution. For breakpoints, please refer to Table 2 in the sampling and testing methods section. Etest MICs were not rounded up prior to categorization.

² From 1998 through 2000, nalidixic acid susceptibility and cephalothin resistance were used as selection criteria for *Campylobacter*

³ These isolates were recovered from July through December, 2001, when the new ARS isolation method was used

⁴ One isolate originally found to be chloramphenicol resistant was not reproducible upon further testing