

**Table 3B. Antimicrobial Resistance among *Campylobacter* from Chickens, 1998-2010<sup>1,2</sup>**

Year			1998	1999	2000	2001 <sup>3</sup>	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Number of Isolates Tested			<i>C. coli</i>	63	168	172	52	288	247	186	380	123	76	28	81	100
			<i>C. jejuni</i>	128	563	590	64	526	374	508	567	228	166	78	117	208
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	0.0% 0	0.3% 1	0.0% 0	1.3% 1	3.6% 1	2.5% 2	5.0% 5
		<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	0.0% 0	1.3% 1	0.9% 1	0.5% 1
Lincosamides	Clindamicin	<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	3.6% 1	0.0% 0	4.0% 4	
		<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	0.0% 0	0.0% 0	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	10.7% 3	6.2% 5	4.0% 4	
		<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	0.4% 0	0.0% 0	1.3% 1	0.0% 0	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	10.7% 3	6.2% 5	4.0% 4	
		<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	0.4% 0	0.0% 0	1.3% 1	0.0% 0	0.0% 0
	Telithromycin	<i>C. coli</i>	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	5.5% 21	6.5% 8	13.2% 10	3.6% 1	6.2% 5	4.0% 4
		<i>C. jejuni</i>	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	0.4% 2	0.0% 0	0.0% 0	0.0% 0	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	0.0% 0	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	
		<i>C. jejuni</i>	0.0% 0	0.0% 0 <sup>4</sup>	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
	Florfenicol	<i>C. coli</i>	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0
		<i>C. jejuni</i>	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	0.0% 0	0.0% 0	0.0% 0	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	14.3% 4	22.2% 18	22.0% 22	
		<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	32.1% 25	19.7% 23	23.1% 44	
	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	14.3% 4	22.2% 18	22.0% 22	
		<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	33.3% 26	19.7% 23	23.1% 48	
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	60.7% 17	44.4% 36	56.0% 56	
		<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	53.8% 42	49.6% 58	47.6% 99	

<sup>1</sup> From 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.

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

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

<sup>4</sup> One isolate originally found to be chloramphenicol resistant was not reproducible upon further testing