

Percent of Micro-organisms that are Resistant to Selected Antibiotics for 2002

Antibiotic	Canine										Equine										Feline									
	E. Coli		Enterococcus sp.		Pse. aeruginosa		Staph. aureus		Staph. intermedius		E. Coli		Salmonella sp.		Staph. aureus		Staph. epidermidis		Strep. equi		Strep. zooepidemicus		E. Coli		Enterococcus sp.		Pse. aeruginosa		Staph. aureus	
	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.
Amikacin	1	1	18	38	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	71	100	65	100	0	0	0	71	0	0	0
Amoxicillin/Clavulanic acid	24	18	9	19	93	95	31	4	0	2	8	27	25	20	43	50	38	0	0	0	0	0	0	11	14	33	43	100	100	0
Ampicillin	48	48	9	23	100	95	54	46	44	42	36	50	25	40	71	50	38	50	0	0	0	5	44	38	33	43	100	100	100	
Cefazolin	23	18	64	62	100	98	23	4	0	0	12	27	25	20	43	50	25	0	0	0	0	5	0	10	100	100	100	100	0	
Cefotaxime	13	7	9	33	7	10	23	4	0	0	0	0	0	0	43	50	25	0	0	0	0	5	0	5	33	57	0	20	0	
Cefoxitin	24	17	91	81	100	95	23	4	0	0	8	19	25	20	43	50	25	0	0	0	0	5	0	0	67	86	100	100	0	
Ceftiofur	20	16	73	82	100	98	23	4	0	0	0	12	13	20	57	50	25	0	0	0	0	5	0	5	100	100	100	80	0	
Cephalothin	17	23	36	57	100	95	23	4	0	0	12	31	25	20	43	50	25	0	0	0	0	5	22	19	67	86	100	100	0	
Chloramphenicol	15	16	0	0	67	80	0	0	3	0	4	38	13	40	0	0	13	0	0	0	0	0	0	5	33	0	67	60	0	
Ciprofloxacin	16	16	0	10	13	17	15	8	3	2	4	4	0	0	14	0	13	0	0	0	0	0	0	6	10	0	43	0	0	0
Clindamycin	99	100	82	86	100	95	0	8	15	9	100	100	100	100	0	0	0	0	14	0	0	5	100	100	100	86	100	100	0	
Enrofloxacin	16	18	27	45	27	55	15	17	3	2	4	4	0	0	14	0	13	0	0	0	0	0	6	14	33	57	0	40	50	
Erythromycin	99	100	0	23	100	95	8	17	15	9	100	100	100	100	29	50	0	50	14	0	0	5	100	100	67	43	100	100	0	
Gentamicin 500 microgm/ml	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	50
Gentamicin	9	11	9	32	0	10	8	1	3	0	16	31	0	0	14	50	0	0	0	100	20	55	0	19	67	57	0	0	0	
Sulphadimethoxine/Ormetoprim	29	29	0	10	100	95	8	13	15	9	40	62	0	40	43	50	13	50	0	0	0	5	11	19	0	14	100	100	0	
Oxacillin + 2% NaCl	99	100	91	76	93	95	23	4	0	0	100	100	100	100	43	50	0	0	0	0	0	0	100	100	100	86	100	100	0	
Penicillin	99	100	9	27	100	98	46	42	44	38	100	100	100	100	71	50	25	50	0	0	0	5	100	100	33	43	100	100	100	
Rifampin	97	97	36	33	100	95	0	0	0	0	100	100	100	100	0	0	25	0	0	0	0	0	94	100	33	29	100	100	0	
Tetracycline	31	33	36	52	33	27	8	17	12	16	36	42	13	20	29	50	0	50	0	0	30	50	17	24	100	86	33	40	50	
Ticarcillin	43	42	18	24	13	7	46	42	44	38	32	42	13	20	71	50	38	50	0	0	0	5	33	29	33	71	0	40	100	
Tribrissen	29	29	0	10	33	29	15	42	32	47	40	62	0	40	43	50	25	50	0	0	0	9	11	14	0	14	33	40	0	
Vancomycin	99	100	0	10	100	98	0	0	3	0	100	100	100	100	0	0	13	0	0	0	0	0	100	100	0	0	100	100	0	
number of isolates	74	90	11	21	15	41	13	24	33	45	25	26	8	5	7	2	7	2	7	1	20	22	18	21	3	7	3	5	3	

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Antibiotic	Beef								Dairy						Swine							
	E. coli		Past. Haemolitica		Past. Multocida		Salmonella sp.		E. coli		Staph. aureus		Salmonella sp.		APP		E. coli		Salmonella sp.		Strep. suis	
	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.	Jan.-June	July-Dec.
Ampicillin	49	46	0	0	0	0	29	43	56	62	63	17	66	80	15	6	64	64	53	41	1	3
Apramycin	7	12	20	22	40	67	0	29	39	35	na	na	21	26	2	13	21	20	10	9	33	41
Ceftiofur	20	19	0	0	0	0	29	43	25	26	4	0	45	50	2	0	8	10	8	6	7	8
Chlortetracycline	74	69	20	0	0	0	57	43	74	91	na	na	66	85	11	10	99	86	84	76	90	96
Clindamycin	100	100	100	100	100	100	100	100	94	97	na	na	97	100	8	19	99	100	100	100	89	82
Enrofloxacin	14	12	0	0	0	0	0	0	20	12	na	na	0	0	2	0	0	0	0	0	2	3
Erythromycin	100	100	20	0	60	0	100	100	95	98	na	0	97	100	0	3	99	99	100	100	91	80
Florphenicol	100	100	20	11	60	0	100	100	94	98	na	na	97	98	2	0	99	95	96	97	68	67
Gentamicin	19	27	20	0	60	0	0	29	53	59	na	na	24	35	2	0	19	21	10	15	2	5
Neomycin	31	42	80	44	80	67	43	43	65	71	na	na	59	67	9	3	46	43	24	15	60	63
Oxytetracycline	76	69	40	33	60	50	57	43	74	92	na	na	66	85	32	35	99	88	84	76	92	97
Penicillin	100	100	20	44	0	17	100	100	95	98	33	17	97	100	72	90	99	100	100	100	8	12
Sulphadimethoxine	69	58	60	44	60	83	57	57	64	73	70	92	76	83	15	10	74	71	66	71	63	62
Spectinomycin	36	38	40	78	80	50	86	100	63	76	na	na	66	93	13	0	65	55	90	100	19	29
Sulphachloropyridazine	69	58	20	11	80	83	57	43	75	89	na	na	79	83	25	35	74	72	64	68	66	60
Sulphathiazole	69	58	80	56	80	83	57	43	76	89	na	na	79	83	21	23	75	73	64	68	67	65
Tiamulin	100	100	100	78	60	83	100	100	93	98	na	na	97	100	15	0	99	100	100	100	22	25
Tilmicosin	98	100	0	0	60	0	100	100	92	96	na	na	97	100	4	0	98	98	100	100	88	77
Triple Sulfa	38	42	20	0	0	0	0	43	57	61	na	na	28	37	2	0	14	18	12	12	3	6
Tylosin	100	100	100	89	60	83	100	100	94	98	na	na	97	100	na	na	99	100	100	100	na	na
number of isolates	67	26	5	9	5	6	7	7	112	85	27	12	26	46	53	31	188	96	51	34	123	117