

**Tigecycline activity in Europe: a comparative analysis by country, 2009-2010**

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Objectives: Development of bacterial resistance continues to cause concern worldwide, but the availability of newer agents offers clinicians options for therapy. Tigecycline has a very broad spectrum of activity, including strains resistant to other drugs. As part of the global Tigecycline Evaluation Surveillance Trial (TEST), strains collected in 25 European countries in 2009 through 2010 were evaluated for susceptibility to several commonly used antimicrobials. Methods: 15,304 strains were collected and identified at 271 sites in 25 countries. MICs were determined at each site using EUCAST guidelines on microdilution panels. Results: The following table summarizes tigecycline results. Conclusions: MIC90 and %Sus values remained consistent among all European countries for tigecycline against the gram-positive enterococci and *S. aureus* with MIC90s ranging from 0.12 to 0.5 mg/L and %Sus values ranging from 99% to 100%. Half of the countries had tigecycline MIC90 values of 1 mg/L against the Enterobacteriaceae and half had values of 2 mg/L. MIC90 values were variable and ranged between 0.5 and 2 mg/L against the Acinetobacter. Tigecycline remains a potent antimicrobial agent with broad-spectrum activity throughout Europe.

Country	<i>Enterobacteriaceae</i>			<i>Acinetobacter</i> spp			<i>Enterococcus</i> spp			<i>S. aureus</i>		
	N	MIC <sub>90</sub>	%Sus	N	MIC <sub>90</sub>	%Sus	N	MIC <sub>90</sub>	%Sus	N	MIC <sub>90</sub>	%Sus
Austria	267	1	90	46	1	na	53	0.25	100	77	0.25	100
Belgium	739	2	81	121	1	na	134	0.25	100	189	0.5	100
Bulgaria	637	2	84	132	2	na	111	0.25	100	198	0.5	100
Croatia	265	2	88	50	1	na	65	0.25	100	92	0.25	100
Czech Republic	251	1	97	42	1	na	45	0.25	100	68	0.25	100
Denmark	205	2	90	26	0.5	na	31	0.25	100	48	0.5	100
Finland	80	1	95	15	0.5	na	12	0.25	100	—	—	—
France	2199	2	87	393	2	na	387	0.25	99	534	0.5	100
Germany	1895	1	92	338	1	na	328	0.25	100	502	0.25	100
Greece	500	2	81	100	2	na	94	0.25	99	110	0.25	100
Hungary	413	1	92	74	2	na	73	0.25	100	117	0.25	100
Ireland	338	2	89	53	0.5	na	59	0.25	100	77	0.5	100
Italy	1410	1	91	246	2	na	249	0.25	100	353	0.5	100
Latvia	166	1	96	29	1	na	22	0.25	100	50	0.25	100
Lithuania	83	2	86	14	0.5	na	9	0.25	100	23	0.25	100
Poland	820	2	90	137	2	na	146	0.25	100	258	0.25	100
Portugal	417	2	85	62	1	na	73	0.25	100	115	0.25	100
Romania	328	2	82	109	2	na	48	0.25	100	101	0.5	100
Slovak Republic	120	1	93	18	1	na	27	0.25	100	18	0.5	100
Slovenia	169	2	83	30	2	na	30	0.25	100	47	0.25	100
Spain	1975	1	90	277	2	na	353	0.25	99	467	0.5	100
Sweden	494	1	93	89	0.5	na	88	0.25	100	140	0.25	100
Switzerland	83	1	98	16	1	na	15	0.25	100	24	0.12	100
The Netherlands	249	1	93	45	0.5	na	44	0.25	100	75	0.5	100
United Kingdom	267	1	96	41	1	na	38	0.25	100	84	0.25	100