

Table 15. MIC and zone diameter breakpoints for *Moraxella catarrhalis*

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Antibiotic	MIC breakpoint (mg/L)			Disc content (µg)	Interpretation of zone diameters (mm)			Comment
	R >	I	S ≤		R ≤	I	S ≥	
Penicillins								
Ampicillin	1	-	1	2	29	-	30	Test for β-lactamase. β-Lactamase positive isolates of <i>Moraxella catarrhalis</i> are often slow to become positive in tests for β-lactamase production so tests must be examined after the longest recommended time before being interpreted as negative.
Co-amoxiclav	1	-	1	2/1	18	-	19	
Cephalosporins								
Cefaclor	0.5	-	0.5	30	22	-	23	A review of the data indicates that no adjustment of the zone diameter breakpoints is necessary with the change in MIC breakpoint.
Cefuroxime	2	2	1	5	19	-	20	Zone diameter breakpoints relate to the MIC breakpoint of 1 mg//L as no data for the intermediate category are currently available.
Carbapenems								
Ertapenem	0.5	-	0.5	10	34	-	35	
Quinolones								
Ciprofloxacin	0.5	-	0.5	1	17	-	18	Quinolone resistance is most reliably detected with nalidixic acid discs. Isolates with reduced susceptibility to fluoroquinolones show no zone of inhibition with a 30 µg nalidixic acid disc.
Gatifloxacin	1	-	1	2	19	-	20	
Gemifloxacin	0.25	-	0.25	1	19	-	20	
Levofloxacin	1	-	1	1	19	-	20	
Moxifloxacin	0.5	-	0.5	1	17	-	18	
Nalidixic acid	-	-	-	30	-	-	-	
Ofloxacin	0.5	-	0.5	5	34	-	35	
Miscellaneous antibiotics								
Chloramphenicol	2	1-2	1	10	22	-	23	The MIC breakpoint has changed but a review of the data indicates that no adjustment of the zone diameter breakpoints is necessary.
Clarithromycin	0.5	0.5	0.25	2	19	20-21	22	

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Miscellaneous antibiotics								
Erythromycin	0.5	0.5	0.25	5	27	-	28	Zone diameter breakpoints relate to the MIC breakpoint of 0.25 mg/L as no data for the intermediate category are currently available.
Telithromycin	0.5	-	0.5	15	29	-	30	
Co-trimoxazole	2	-	2	1.25/23.75	11	-	12	For advice on testing susceptibility to co-trimoxazole, see Appendix 1. The MIC breakpoint is based on the trimethoprim concentration in a 1:19 combination with sulphamethoxazole.
Tetracycline	2	2	1	10	21	-	22	No data to distinguish the I category available at present.