API	Lowest PNEC (µg/L)	Source of Data	PNEC-ENV					PNEC-MIC		Revisions Since Last Version
			EC10 (µg/L)	Species	Test Guideline	PNEC-ENV (µg/L)	PNEC-ENV Rationale	Size Adjusted Lowest MIC[#] (µg/L)	PNEC-MIC[§] (µg/L)	
Amikacin	**16.00**	Bengtsson-Palme & Larsson, 2016						125	16.00	No change
		Industry Data	187	*Anabaena flos-aquae*	OECD 201	18.70	*A. flos-aquae* EC10 ÷ 10			
Amoxicillin	**0.25**	Bengtsson-Palme & Larsson, 2016						2	0.25	No change
		Industry Data	5.7	*Anabaena flos-aquae*	OECD 201	0.57	*A. flos-aquae EC10 ÷ 10*[a]			
		Gonzalez-Pleiter, et al., 2013	6160	*Anabaena sp. CPB4337*	OECD 201					
		Industry Data	530000	*Raphidocelis subcapitata*	OECD 201					
		Gonzalez-Pleiter, et al., 2013	1500000	*Raphidocelis subcapitata*	OECD 201					
Ampicillin	**0.25**	Bengtsson-Palme & Larsson, 2016						4	0.25	No change
		Industry Data	44.6	*Anabaena cylindrica*	OECD 201	0.60	*C. gracile* EC10 ÷ 10			
		Le Page et al., 2019	8.3[h]	*Anabaena flos-aquae*	OECD 201					
		Industry Data	13	*Anabaena flos-aquae*	OECD 201					
		Le Page et al., 2019	18.7	*Anabaena flos-aquae*	OECD 201					
		Le Page et al., 2019	5.9	*Cyanobium gracile*	OECD 201					
		Industry Data	91500	*Daphnia magna*	OECD 211					
		Industry Data	94300	*Desmodesmus subspicatus*	OECD 201					
		Le Page et al., 2019	34.3	*Geminocystis herdmanii*	OECD 201					
		Industry Data	100000	*Raphidocelis subcapitata*	OECD 201					
		Le Page et al., 2019	36.5[h]	*Synechocystis sp.*	OECD 201					
		Le Page et al., 2019	38.8[g]	*Synechococcus elongates*	OECD 201					
		Le Page et al., 2019	16.2[g]	*Synechococcus leopoliensis*	OECD 201					
		Industry Data	19	*Synechococcus leopoliensis*	OECD 201					
		Le Page et al., 2019	38[g]	*Synechococcus sp.*	OECD 201					
Avilamycin	**8.00**	Bengtsson-Palme & Larsson, 2016						125	8.00	No change
		Industry Data	1250[b]	*Synechococcus leopoliensis*	OECD 201	125.00	*S. leopolensis* NOEC ÷ 10			
Azithromycin	**0.03**	Bengtsson-Palme & Larsson, 2016						4	0.25	No change
		Le Page et al., 2019	5	*Anabaena cylindrica*	OECD 201	0.03	*M. aeruginosa* EC10 ÷ 10			
		Le Page et al., 2019	10.5[h]	*Anabaena flos-aquae*	OECD 201					
		Industry Data	4.4	*Ceriodaphnia dubia*	OECD 201					
		Le Page et al., 2019	4.8	*Cyanobium gracile*	OECD 201					
		Le Page et al., 2019	3.2	*Geminocystis herdmanii*	OECD 201					
		Industry Data	0.29	*Microcystis aeruginosa*	EPA 1002.0					
		Industry Data	4600	*Pimephales promelas*	OECD 210					
		Industry Data	1.8	*Raphidocelis subcapitata*	OECD 201					
		Le Page et al., 2019	8.6[h]	*Synechocystis sp.*	OECD 201					
		Le Page et al., 2019	4.4[g]	*Synechococcus elongates*	OECD 201					
		Le Page et al., 2019	8.7[g]	*Synechococcus leopoliensis*	OECD 201					
		Le Page et al., 2019	17.7[g]	*Synechococcus sp.*	OECD 201					
Aztreonam	**0.50**	Bengtsson-Palme & Larsson, 2016						8	0.50	No change
		Industry Data	1500	*Anabaena flos-aquae*	OECD 201	150.00	*A. flos-aquae* EC10 ÷ 10			
Bacitracin	**8.00**	Bengtsson-Palme & Larsson, 2016						64	8.00	No change
		Industry Data	1010	*Anabaena flos-aquae*	OECD 201	114.60	*A. flos-aquae EC10 ÷ 10*[a]			
		Industry Data	1300	*Anabaena flos-aquae*	OECD 201					
Bedaquiline	**0.016**	AMR-IA Science Team, 2025[k]						0.125	0.016	No change
		Industry Data	0.8[b]	*Anabaena flos-aquae*	OECD 201	0.08	*A. flos-aquae* NOEC ÷ 10			
		Industry Data	4.1	*Brachydanio rerio*	OECD 210					
		Industry Data	4.7	*Daphnia magna*	OECD 211					
		Industry Data	0.8[b]	*Raphidocelis subcapitata*	OECD 201					
Benzylpenicillin (penicillin G)	**0.25**	Bengtsson-Palme & Larsson, 2016						4	0.25	No change
		Industry Data	9.6	*Anabaena flos-aquae*	OECD 201	0.96	*A. flos-aquae* EC10 ÷ 10			

API	Lowest PNEC (µg/L)	Source of Data	PNEC-ENV					PNEC-MIC		Revisions Since Last Version
			EC10 (µg/L)	Species	Test Guideline	PNEC-ENV (µg/L)	PNEC-ENV Rationale	Size Adjusted Lowest MIC[#] (µg/L)	PNEC-MIC[§] (µg/L)	
Benzylpenicillin (penicillin G) procaine	**0.25**	Bengtsson-Palme & Larsson, 2016						4[o]	0.25[o]	No change
		Industry Data	160	*Anabaena flos-aquae*	OECD 201	16	*A. flos-aquae* EC10 ÷ 10			
Capreomycin	**2.00**	Bengtsson-Palme & Larsson, 2016				N/A		16	2.00	No change
Cefaclor	**0.50**	Bengtsson-Palme & Larsson, 2016				N/A		8	0.50	No change
Cefadroxil	**0.14**	Bengtsson-Palme & Larsson, 2016						16	2.00	No change
		Industry Data	1.4	*Anabaena flos-aquae*	OECD 201	0.14	*A. flos-aquae* EC10 ÷ 10			
Cefaloridine	**4.00**	Bengtsson-Palme & Larsson, 2016				N/A		32	4.00	No change
Cefalothin	**2.00**	Bengtsson-Palme & Larsson, 2016				N/A		16	2.00	No change
Cefazolin	**0.47**	Bengtsson-Palme & Larsson, 2016						8	1.00	No change
		Industry Data	4.7	*Anabaena flos-aquae*	OECD 201	0.47	*A. flos-aquae* EC10 ÷ 10			
Cefdinir	**0.25**	Bengtsson-Palme & Larsson, 2016				N/A		2	0.25	No change
Cefepime	**0.50**	Bengtsson-Palme & Larsson, 2016						8	0.50	No change
		Industry Data	13	*Anabaena flos-aquae*	OECD 201	1.30	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	51000	*Raphidocelis subcapitata*	OECD 202					
Cefixime	**0.06**	Bengtsson-Palme & Larsson, 2016						1	0.06	No change
		Industry Data	6.4	*Anabaena flos-aquae*	OECD 201	0.64	*A. flos-aquae* EC10 ÷ 10			
Cefoperazone	**0.50**	Bengtsson-Palme & Larsson, 2016				N/A		4	0.50	No change
Cefotaxime	**0.12**	Bengtsson-Palme & Larsson, 2016						1	0.125	No change
		Le Page et al., 2019	1.2	*Anabaena cylindrica*	OECD 201	0.12	*A. cylindrica* EC10 ÷ 10			
		Industry Data	4.7	*Anabaena flos-aquae*	OECD 201					
		Le Page et al., 2019	1.4[h]	*Anabaena flos-aquae*	OECD 201					
		Le Page et al., 2019	8.3	*Cyanobium gracile*	OECD 201					
		Le Page et al., 2019	15.1	*Geminocystis herdmanii*	OECD 201					
		Le Page et al., 2019	39.8[h]	*Synechocystis sp.*	OECD 201					
		Le Page et al., 2019	20.8[g]	*Synechococcus elongates*	OECD 201					
		Le Page et al., 2019	8.7[g]	*Synechococcus leopoliensis*	OECD 201					
		Le Page et al., 2019	16.2[g]	*Synechococcus sp.*	OECD 201					
Cefoxitin	**8.00**	Bengtsson-Palme & Larsson, 2016				N/A		125	8.00	No change
Cefpirome	**0.06**	Bengtsson-Palme & Larsson, 2016				N/A		0.5	0.06	No change
Cefpodoxime	**0.25**	Bengtsson-Palme & Larsson, 2016						2	0.25	No change
		Industry Data	14.7	*Anabaena flos-aquae*	OECD 201	1.76	*A. flos-aquae* EC10 ÷ 10[a]			
		Industry Data	21	*Anabaena flos-aquae*	OECD 201					
Cefquinome	**0.125**	AMR-IA Science Team, 2025[k]						1	0.125	No change
		Industry Data	16	*Anabaena flos-aquae*	OECD 201	1.60	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	52000	*Raphidocelis subcapitata*	OECD 201					
Cefradine (cephradine)	**0.19**	AMR-IA Science Team, 2025[k]						500	32.00	No change
		Industry Data	1.9	*Anabaena flos-aquae*	OECD 201	0.19	*A. flos-aquae* EC10 ÷ 10			
Ceftaroline	**0.06**	Bengtsson-Palme & Larsson, 2016						0.5	0.06	No change
		Industry Data	1.2[c]	*Anabaena flos-aquae*	OECD 201	0.12	*A. flos-aquae* NOEC ÷ 10			
		Industry Data	33000[c]	*Raphidocelis subcapitata*	OECD 201					
		Industry Data	5000[c]	*Pimephales promelas*	OECD 210					
		Industry Data	7900[c]	*Daphnia magna*	OECD 211					
Ceftazidime	**0.50**	Bengtsson-Palme & Larsson, 2016						8	0.50	No change
		Industry Data	13	*Anabaena flos-aquae*	OECD 201	1.30	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	9200	*Daphnia magna*	OECD 211					
		Industry Data	8000	*Pimephales promelas*	OECD 210					
		Industry Data	120000	*Raphidocelis subcapitata*	OECD 201					
Ceftibuten	**0.25**	Bengtsson-Palme & Larsson, 2016				N/A		2	0.25	No change
Ceftiofur	**0.06**	Bengtsson-Palme & Larsson, 2016						0.5	0.06	No change
		Industry Data	4.03	*Anabaena flos-aquae*	OECD 201	0.40	*A. flos-aquae* EC10 ÷ 10			

API	Lowest PNEC (µg/L)	Source of Data	PNEC-ENV					PNEC-MIC		Revisions Since Last Version
			EC10 (µg/L)	Species	Test Guideline	PNEC-ENV (µg/L)	PNEC-ENV Rationale	Size Adjusted Lowest MIC[#] (µg/L)	PNEC-MIC[§] (µg/L)	
Ceftobiprole	**0.23**	Bengtsson-Palme & Larsson, 2016						2	0.25	No change
		Industry Data	2.52[d]	*Anabaena flos-aquae*	OECD 201	0.23	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	5600	*Brachydanio rerio*	OECD 210					
		Industry Data	37000	*Daphnia magna*	OECD 211					
Ceftolozane	**1.90**	AMR-IA Science Team, 2025[k]						16	2.00	No change
		Industry Data	19	*Anabaena flos-aquae*	OECD 201	1.90	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	9600[b]	*Daphnia magna*	OECD 211					
		Industry Data	10000[b]	*Pimephales promelas*	OECD 210					
Ceftriaxone	**0.03**	Bengtsson-Palme & Larsson, 2016						0.25	0.03	No change
		Industry Data	3.31	*Anabaena flos-aquae*	OECD 201	0.33	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	92000[b]	*Daphnia magna*	OECD 211					
		Industry Data	98800[b]	*Raphidocelis subcapitata*	OECD 201					
		Industry Data	294	*Synechococcus leopoliensis*	OECD 201					
Cefuroxime	**0.50**	Bengtsson-Palme & Larsson, 2016						4	0.50	No change
		Industry Data	17	*Anabaena flos-aquae*	OECD 201	1.70	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	91000	*Raphidocelis subcapitata*	OECD 201					
Cephalexin (cefalexin)	**0.21**	Bengtsson-Palme & Larsson, 2016						32	4.00	No change
		Industry Data	2.1	*Anabaena flos-aquae*	OECD 201	0.21	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	120000	*Raphidocelis subcapitata*	OECD 201					
Chloramphenicol	**8.00**	Bengtsson-Palme & Larsson, 2016				N/A		64	8.00	No change
Chlortetracycline	**1.00**	AMR-IA Science Team, 2025[k]						8	1.00	No change
		Industry Data	50[e]	*Raphidocelis subcapitata*	OECD 201	5.00	*R. subcapitata EC10 ÷ 10*			
Ciprofloxacin	**0.06**	Bengtsson-Palme & Larsson, 2016						1	0.06	No change
		Ebert et al., 2011	4.47	*Anabaena flos-aquae*	OECD 201	0.45	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	8042[b]	*Desmodesmus subspicatus*	OECD 201					
Clarithromycin	**0.25**	Bengtsson-Palme & Larsson, 2016						2	0.25	No change
		Baumann et al., 2015	2.6	*Anabaena flos-aquae*	OECD 201	0.25	*R. subcapitata* NOEC÷10			
		Maletzki 2013	2.6	*Anabaena flos-aquae*	OECD 201					
		Baumann et al., 2015	2100[b]	*Daphnia magna*	OECD 211					
		Yamashita et al. 2006	3.1[c]	*Daphnia magna*	OECD 211					
		Baumann et al., 2015	27.8	*Desmodesmus subspicatus*	ISO 8692					
		Watanabe et al. 2016	2.45[c]	*Raphidocelis subcapitata*	OECD 201					
Clinafloxacin	**0.50**	Bengtsson-Palme & Larsson, 2016				N/A		4	0.50	No change
Clindamycin	**0.10**	Bengtsson-Palme & Larsson, 2016						8	1.00	No change
		Industry Data	8.1	*Anabaena flos-aquae*	OECD 201	0.10	*R. subcapitata EC10 ÷ 10*			
		Industry Data	0.98	*Raphidocelis subcapitata*	OECD 201					
Clofazimine	**0.03**	AMR-IA Science Team, 2025[k]				N/A		0.25	0.03	No change
Cloxacillin	**0.125**	Bengtsson-Palme & Larsson, 2016						1	0.125	No change
		Industry Data	200	*Anabaena flos-aquae*	OECD 201	20.00	*A. flos-aquae* EC10 ÷ 10			
Colistin (Polymyxin E)	**2.00**	Bengtsson-Palme & Larsson, 2016						16	2.00	No change
		Industry Data	90	*Anabaena flos-aquae*	OECD 201	9.00	*A. flos-aquae* EC10 ÷ 10			
Dapsone	**0.05**	AMR-IA Science Team[n]				N/A		N/A	0.05 (default)	New API
Daptomycin	**1.00**	Bengtsson-Palme & Larsson, 2016						8	1.00	No change
		Industry Data	17000	*Anabaena flos-aquae*	OECD 201	510.00	*P. promelas* NOEC ÷ 10			
		Industry Data	34000	*Raphidocelis subcapitata*	OECD 201					
		Industry Data	5100[b]	*Pimephales promelas*	OECD 210					
		Industry Data	6800	*Daphnia magna*	OECD 211					

API	Lowest PNEC (µg/L)	Source of Data	PNEC-ENV					PNEC-MIC		Revisions Since Last Version
			EC10 (µg/L)	Species	Test Guideline	PNEC-ENV (µg/L)	PNEC-ENV Rationale	Size Adjusted Lowest MIC[#] (µg/L)	PNEC-MIC[$] (µg/L)	
Delamanid	**0.03**	AMR-IA Science Team[n]						N/A	0.05 (default)	No change
		Industry Data	≥0.42[c]	*Anabaena flos-aquae*	OECD 201	0.03	*R. subcapitata* NOEC÷10			
		Industry Data	≥0.59[c]	*Daphnia magna*	OECD 211					
		Industry Data	≥0.71[c]	*Pimephales promelas*	OECD 210					
		Industry Data	≥0.3[c]	*Raphidocelis subcapitata*	OECD 201					
Doripenem	**0.125**	Bengtsson-Palme & Larsson, 2016						1	0.125	No change
		Industry Data	4.6	*Anabaena flos-aquae*	OECD 201	0.46	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	9200	*Brachydanio rerio*	OECD 210					
		Industry Data	9400	*Daphnia magna*	OECD 211					
		Industry Data	61000[b]	*Scenedesmus subspicatus*	OECD 201					
Doxycycline	**2.00**	Bengtsson-Palme & Larsson, 2016						16	2.00	No change
		Industry Data	251	*Anabaena flos-aquae*	OECD 201	25.10	*A. flos-aquae* EC10 ÷ 10			
Enrofloxacin	**0.06**	Bengtsson-Palme & Larsson, 2016						0.5	0.06	No change
		Ebert et al., 2011	19.1[b]	*Anabaena flos-aquae*	OECD 201	1.91	*A. flos-aquae* NOEC ÷ 10			
		Industry Data	19.1[c]	*Synechococcus leopoliensis*	OECD 201					
		Ebert et al., 2011	1140[b]	*Desmodesmus subspicatus*	OECD 201					
		Industry Data	1600	*Daphnia magna*	OECD 211					
Eravacycline	**0.05**	AMR-IA Science Team, 2026[k]						1.8	0.125	New API
		Industry Data	0.5	*Anabaena flos-aquae*	OECD 211	0.05	*A. flos-aquae* EC10 ÷ 10			
Ertapenem	**0.125**	Bengtsson-Palme & Larsson, 2016						1	0.125	No change
		Industry Data	140	*Anabaena flos-aquae*	OECD 201	14.00	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	82000	*Daphnia magna*	OECD 211					
		Industry Data	2500	*Pimephales promelas*	OECD 210					
		Industry Data	51000	*Raphidocelis subcapitata*	OECD 201					
Erythromycin	**0.50**	Bengtsson-Palme & Larsson, 2016						8	1.00	No change
		Le Page et al., 2019	22.3	*Anabaena cylindrica*	OECD 201	0.50	*A. sp. CPB4337 EC10÷10*			
		Gonzalez-Pleiter, et al., 2013	5	*Anabaena sp. CPB4337*	OECD 201					
		Le Page et al., 2019	58.8[h]	*Anabaena flos-aquae*	OECD 201					
		Le Page et al., 2019	44.5	*Cyanobium gracile*	OECD 201					
		Le Page et al., 2019	50.7	*Geminocystis herdmanii*	OECD 201					
		Gonzalez-Pleiter, et al., 2013	36	*Raphidocelis subcapitata*	OECD 201					
		Le Page et al., 2019	21.2[h]	*Synechocystis sp.*	OECD 201					
		Le Page et al., 2019	30.1[g]	*Synechococcus elongates*	OECD 201					
		Le Page et al., 2019	35[g]	*Synechococcus leopoliensis*	OECD 201					
		Le Page et al., 2019	29.1[g]	*Synechococcus sp.*	OECD 201					
Ethambutol	**2.00**	Bengtsson-Palme & Larsson, 2016						16	2.00	No change
		Industry Data	750[b]	*Anabaena flos-aquae*	OECD 201	75.00	*A. flos-aquae* NOEC ÷ 10			
Faropenem	**0.016**	Bengtsson-Palme & Larsson, 2016				N/A		0.125	0.016	No change
Fidaxomicin	**0.016**	Bengtsson-Palme & Larsson, 2016						0.125	0.016	No change
		Industry Data	>18400	*Anabaena flos-aquae*	OECD 201	891.00	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	19600[b]	*Daphnia magna*	OECD 211					
		Industry Data	8910[b]	*Pimephales promelas*	OECD 210					
Florfenicol	**2.00**	Bengtsson-Palme & Larsson, 2016						16	2.00	No change
		Industry Data	51[b]	*Anabaena flos-aquae*	OECD 201	38.00	*A. flos-aquae EC10 ÷ 10*[f]			
		Industry Data	110[b]	*Anabaena flos-aquae*	OECD 201					
		Industry Data	380	*Anabaena flos-aquae*	OECD 201					
		Industry Data	750[b]	*Raphidocelis subcapitata*	OECD 201					
		Industry Data	1500	*Daphnia magna*	OECD 211					
		Industry Data	800[b]	*Daphnia magna*	OECD 211					
		Industry Data	5500	*Pimephales promelas*	OECD 210					
		Industry Data	5500	*Pimephales promelas*	OECD 210					

API	Lowest PNEC (µg/L)	Source of Data	PNEC-ENV					PNEC-MIC		Revisions Since Last Version
			EC10 (µg/L)	Species	Test Guideline	PNEC-ENV (µg/L)	PNEC-ENV Rationale	Size Adjusted Lowest MIC[#] (µg/L)	PNEC-MIC[$] (µg/L)	
Flucloxacillin	**0.125**	AMR-IA Science Team, 2025[k]						1	0.125	No change
		Industry Data	268	*Anabaena flos-aquae*	OECD 201	26.80	*A. flos-aquae* EC10 ÷ 10			
Flumequine	**0.25**	Bengtsson-Palme & Larsson, 2016				N/A		4	0.25	No change
Fosfomycin	**2.00**	Bengtsson-Palme & Larsson, 2016						32	2.00	No change
		Industry Data	524	*Anabaena flos-aquae*	OECD 201	52.40	*A. flos-aquae* EC10 ÷ 10			
Fusidic acid	**0.50**	Bengtsson-Palme & Larsson, 2016				N/A		4	0.50	No change
Framycetine (Neomycin B)	**0.05**	AMR-IA Science Team[n]				N/A			0.05 (default)	No change
Gamithromycin	**0.24**	AMR-IA Science Team, 2025[k]						8	0.50	No change
		Industry Data	2.42	*Anabaena flos-aquae*	OECD 201	0.24	*A. flos-aquae* EC10 ÷ 10			
Gatifloxacin	**0.125**	Bengtsson-Palme & Larsson, 2016				N/A		2	0.125	No change
Gemifloxacin	**0.06**	Bengtsson-Palme & Larsson, 2016				N/A		0.5	0.06	No change
Gentamicin	**0.15**	Bengtsson-Palme & Larsson, 2016						16	1.00	No change
		Industry Data	2	*Anabaena flos-aquae*	OECD 201	0.15	*R. subcapitata* EC10÷10			
		Industry Data	6.2	*Daphnia magna*	OECD 211					
		Industry Data	9.62	*Daphnia magna*	OECD 211					
		Industry Data	1.5	*Raphidocelis subcapitata*	OECD 201					
		Industry Data	65.9	*Synechococcus leopoliensis*	OECD 201					
Gepotidacin	**1**	AMR-IA Science Team, 2025[k,m]						14.1[m]	1	No change
		Industry Data	60	*Anabaena flos-aquae*	OECD 201	6	*A. flos-aquae* EC10 ÷ 10			
Imipenem	**0.125**	Bengtsson-Palme & Larsson, 2016						2	0.125	No change
		Industry Data	4.1	*Anabaena flos-aquae*	OECD 201	0.41	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	74000	*Raphidocelis subcapitata*	OECD 201					
Isoniazid	**0.125**	Bengtsson-Palme & Larsson, 2016						1	0.125	No change
		Industry Data	12900	*Anabaena flos-aquae*	OECD 201	1290.00	*A. flos-aquae* EC10 ÷ 10			
Kanamycin	**1.05**	Bengtsson-Palme & Larsson, 2016						32	2.00	No change
		Industry Data	11	*Anabaena flos-aquae*	OECD 201	1.05	*S. leopoliensis* EC10 ÷ 10			
		Industry Data	6830	*Daphnia magna*	OECD 211					
		Industry Data	4970	*Desmodesmus subspicatus*	OECD 201					
		Industry Data	310	*Raphidocelis subcapitata*	OECD 201					
		Industry Data	10.5	*Synechococcus leopoliensis*	OECD 201					
		Industry Data	10.5	*Synechococcus leopoliensis*	OECD 201					
Levofloxacin	**0.25**	Bengtsson-Palme & Larsson, 2016						4	0.25	No change
		Industry Data	5.22	*Anabaena flos-aquae*	OECD 201	1.52	*A. flos-aquae EC10 ÷ 10*[o]			
		Industry Data	44	*Anabaena flos-aquae*	OECD 201					
		Gonzalez-Pleiter, et al., 2013	1100	*Anabaena sp. CPB4337*	OECD 201					
		Gonzalez-Pleiter, et al., 2013	930	*Raphidocelis subcapitata*	OECD 201					
Lincomycin	**0.81**	Bengtsson-Palme & Larsson, 2016						16	2.00	No change
		Guo et al., 2016	12.20[i]	*Anabaena flos-aquae*	OECD 201	0.81	*S.leopoliensis* EC10 ÷ 10			
		Industry Data	14.3	*Anabaena flos-aquae*	OECD 201					
		Guo et al., 2016	91770[b,i]	*Chlorella vulgaris*	OECD 201					
		Guo et al., 2016	77.24[i]	*Desmodesmus subspicatus*	OECD 201					
		Guo et al., 2016	357.75[i]	*Raphidocelis subcapitata*	OECD 201					
		Guo et al., 2016	8.13[i]	*Synechococcus leopoliensis*	OECD 201					
Linezolid	**3.50**	Bengtsson-Palme & Larsson, 2016						64	8.00	No change
		Industry Data	35[i]	*Anabaena flos-aquae*	OECD 201	3.50	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	9900	*Pimephales promelas*	OECD 210					
		Industry Data	24000	*Daphnia magna*	OECD 211					
Loracarbef	**2.00**	Bengtsson-Palme & Larsson, 2016				N/A		16	2.00	No change
Mecillinam	**1.00**	Bengtsson-Palme & Larsson, 2016				N/A		8	1.00	No change

API	Lowest PNEC (µg/L)	Source of Data	PNEC-ENV					PNEC-MIC		Revisions Since Last Version
			EC10 (µg/L)	Species	Test Guideline	PNEC-ENV (µg/L)	PNEC-ENV Rationale	Size Adjusted Lowest MIC[#] (µg/L)	PNEC-MIC[$] (µg/L)	
Meropenem	**0.06**	Bengtsson-Palme & Larsson, 2016 Industry Data	 15[c]	 *Anabaena flos-aquae*	 OECD 201	 1.50	 *A. flos-aquae* NOEC ÷ 10	0.5	0.06	No change
Metronidazole	**0.125**	Bengtsson-Palme & Larsson, 2016				N/A		2	0.125	No change
Minocycline	**1.00**	Bengtsson-Palme & Larsson, 2016 Industry Data	 11	 *Anabaena flos-aquae*	 OECD 201	 1.10	 *A. flos-aquae* EC10 ÷ 10	16	1.00	No change
Moxifloxacin	**0.125**	Bengtsson-Palme & Larsson, 2016				N/A		2	0.125	No change
Mupirocin	**0.25**	Bengtsson-Palme & Larsson, 2016				N/A		2	0.25	No change
Nalidixic acid	**16.00**	Bengtsson-Palme & Larsson, 2016				N/A		125	16.00	No change
Narasin	**0.50**	Bengtsson-Palme & Larsson, 2016				N/A		4	0.50	No change
Neomycin	**0.03**	Bengtsson-Palme & Larsson, 2016 Industry Data Industry Data	 0.3 2.2	 *Anabaena flos-aquae* *Raphidocelis subcapitata*	 OECD 201 OECD 201	 0.03	 *A. flos-aquae* EC10 ÷ 10	16	2.00	No change
Netilmicin	**0.50**	Bengtsson-Palme & Larsson, 2016				N/A		4	0.50	No change
Nitrofurantoin	**64.00**	Bengtsson-Palme & Larsson, 2016				N/A		500	64.00	No change
Norfloxacin	**0.50**	Bengtsson-Palme & Larsson, 2016 Gonzalez-Pleiter, et al., 2013 Gonzalez-Pleiter, et al., 2013	 1200 10900	 *Anabaena sp. CPB4337* *Raphidocelis subcapitata*	 OECD 201 OECD 201	 120.00	 *A. sp. CPB4337* EC10÷10	4	0.50	No change
Ofloxacin	**0.50**	Bengtsson-Palme & Larsson, 2016 Industry Data	 100[b]	 *Anabaena flos-aquae*	 OECD 201	 10.00	 *A. flos-aquae* NOEC ÷ 10	4	0.50	No change
Omadacycline	**1.00**	AMR-IA Science Team, 2025[k]				N/A		8	1.00	No change
Oxacillin	**1.00**	Bengtsson-Palme & Larsson, 2016				N/A		16	1.00	No change
Oxytetracycline	**0.50**	Bengtsson-Palme & Larsson, 2016 Kolar et al., 2014 Kolar et al., 2014	 1500 470	 *Anabaena flos-aquae* *Raphidocelis subcapitata*	 OECD 201 OECD 201	 47.00	 *R. subcapitata EC10 ÷ 10*	4	0.50	No change
Perfloxacin	**8.00**	Bengtsson-Palme & Larsson, 2016				N/A		64	8.00	No change
Phenoxymethylpenicillin (Penicillin V)	**0.06**	Bengtsson-Palme & Larsson, 2016 Industry Data	 31.1	 *Anabaena flos-aquae*	 OECD 201	 3.1	 *A. flos-aquae* EC10 ÷ 10	0.5	0.06	No change
Piperacillin	**0.50**	Bengtsson-Palme & Larsson, 2016 Industry Data	 43	 *Anabaena flos-aquae*	 OECD 201	 4.30	 *A. flos-aquae* EC10 ÷ 10	4	0.50	No change
Pivmecillinam	**0.05**	AMR-IA Science Team[n]				N/A			0.05 (default)	No change
Polymixin B	**0.06**	AMR-IA Science Team, 2025[k] Bengtsson-Palme & Larsson, 2016 Industry Data Industry Data	 0.57 7.6	 *Anabaena flos-aquae* *Raphidocelis subcapitata*	 OECD 201 OECD 201	 0.06	 *A. flos-aquae* EC10 ÷ 10	16[L] 16[L]	2.00	No change
Pretomanid	**0.05**	AMR-IA Science Team[n]				N/A			0.05 (default)	No change
Retapamulin	**0.06**	Bengtsson-Palme & Larsson, 2016				N/A		0.5	0.06	No change
Rifampicin	**0.06**	Bengtsson-Palme & Larsson, 2016 Industry Data	 40.6	 *Anabaena flos-aquae*	 OECD 201	 4.06	 *A. flos-aquae* EC10 ÷ 10	0.5	0.06	No change
Rifamycin	**0.05**	AMR-IA Science Team[n] Industry Data	 9.9	 *Anabaena flos-aquae*	 OECD 201	 1.00	 *A. flos-aquae* EC10 ÷ 10		0.05 (default)	No change
Rifaximin	**0.05**	AMR-IA Science Team[n] Industry Data	 1.1	 *Anabaena flos-aquae*	 OECD 201	 0.11	 *A. flos-aquae* EC10 ÷ 10		0.05 (default)	No change
Roxithromycin	**1.00**	Bengtsson-Palme & Larsson, 2016 Industry Data	 68.4	 *Anabaena flos-aquae*	 OECD 201	 6.84	 *A. flos-aquae* EC10 ÷ 10	8	1.00	No change
Secnidazole	**1.00**	Bengtsson-Palme & Larsson, 2016				N/A		8	1.00	No change
Sparfloxacin	**0.06**	Bengtsson-Palme & Larsson, 2016				N/A		1	0.06	No change
Spectinomycin	**32.00**	Bengtsson-Palme & Larsson, 2016				N/A		250	32.00	No change
Spiramycin	**0.50**	Bengtsson-Palme & Larsson, 2016 Industry Data Industry Data	 250 10.9	 *Raphidocelis subcapitata* *Synechococcus leopoliensis*	 OECD 201 OECD 201	 1.09	 *A. flos-aquae* EC10 ÷ 10	4	0.50	No change

API	Lowest PNEC (µg/L)	Source of Data	PNEC-ENV					PNEC-MIC		Revisions Since Last Version
			EC10 (µg/L)	Species	Test Guideline	PNEC-ENV (µg/L)	PNEC-ENV Rationale	Size Adjusted Lowest MIC[#] (µg/L)	PNEC-MIC[$] (µg/L)	
Streptomycin	**16.00**	Bengtsson-Palme & Larsson, 2016				N/A		125	16.00	No change
Sulfadiazine	**0.05**	AMR-IA Science Team[n]						N/A	0.05 (default)	No change
		Industry Data	7200	*Anabaena flos-aquae*	OECD 201	11.21	*R. subcapitata EC10÷10*[a]			
		Industry Data	30	*Raphidocelis subcapitata*	OECD 201					
		Industry Data	419	*Raphidocelis subcapitata*	OECD 201					
Sulfamethoxazole	**6.6**	Bengtsson-Palme & Larsson, 2016						125	16.00	No change
		Ferrari et al., 2004	90[c,i]	*Raphidocelis subcapitata*	ISO 8692	6.6	*A. flos-aquae* EC10 ÷ 10[f]			
		Ferrari et al., 2004	5.9[c]	*Synechococcus leopoliensis*	ISO 8692					
		Industry Data	153	*Synechococcus leopoliensis*	OECD 201					
		Industry Data	66	*Anabaena flos-aquae*	OECD 201					
		Industry Data	1730	*Daphnia magna*	OECD 211					
Sulfanilamide	**0.05**	AMR-IA Science Team[n]							0.05 (default)	No change
		Industry Data	2300	*Synecocchus leopoliensis*	OECD 201	230.00	*S. leopoliensis* EC10 ÷ 10			
		Industry Data	>34000	*Anabaena flos-aquae*	OECD 201					
		Industry Data	5800	*Raphidocelis subcapitata*	OECD 201					
Tedizolid	**0.50**	AMR-IA Science Team, 2025[k]						8	0.50	No change
		Industry Data	98	*Anabaena flos-aquae*	OECD 201	3.20	*P. promelas* EC10 ÷ 10			
		Industry Data	600	*Daphnia magna*	OECD 211					
		Industry Data	31.75	*Pimephales promelas*	OECD 210					
Teicoplanin	**0.50**	Bengtsson-Palme & Larsson, 2016						4	0.50	No change
		Industry Data	129	*Anabaena flos-aquae*	OECD 201	12.90	*A. flos-aquae* EC10 ÷ 10			
Telithromycin	**0.06**	Bengtsson-Palme & Larsson, 2016				N/A		1	0.06	No change
Tetracycline	**1.00**	Bengtsson-Palme & Larsson, 2016						16	1.00	No change
		Gonzalez-Pleiter, et al., 2013	2500	*Anabaena sp. CPB4337*	OECD 201	3.20	*R. subcapitata EC10÷10*			
		Gonzalez-Pleiter, et al., 2013	32	*Raphidocelis subcapitata*	OECD 201					
Thiamphenicol	**1.00**	Bengtsson-Palme & Larsson, 2016				N/A		8	1.00	No change
Tiamulin	**1.00**	Bengtsson-Palme & Larsson, 2016				N/A		8	1.00	No change
Ticarcillin	**8.00**	Bengtsson-Palme & Larsson, 2016				N/A		64	8.00	No change
Tigecycline	**0.10**	Bengtsson-Palme & Larsson, 2016						16	1.00	No change
		Industry Data	1	*Anabaena flos-aquae*	OECD 201	0.10	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	2100	*Daphnia magna*	OECD 211					
		Industry Data	22	*Pimephales promelas*	OECD 210					
		Industry Data	1650	*Raphidocelis subcapitata*	OECD 201					
Tildipirosin	**0.42**	AMR-IA Science Team, 2025[k]						32	4.00	No change
		Industry Data	4.2	*Anabaena flos-aquae*	OECD 201	0.42	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	47	*Raphidocelis subcapitata*	OECD 201					
Tilmicosin	**0.80**	Bengtsson-Palme & Larsson, 2016						8	1.00	No change
		Industry Data	8	*Anabaena flos-aquae*	OECD 201	0.80	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	2600[c]	*Raphidocelis subcapitata*	FDA 4.01					
Tobramycin	**1.00**	Bengtsson-Palme & Larsson, 2016						8	1.00	No change
		Industry Data	43	*Anabaena flos-aquae*	OECD 201	4.30	*A. flos-aquae* EC10 ÷ 10			
		Industry Data	360[c]	*Daphnia magna*	OECD 211					
		Industry Data	10000[b]	*Pimephales promelas*	OECD 210					

API	Lowest PNEC (µg/L)	Source of Data	PNEC-ENV					PNEC-MIC		Revisions Since Last Version
			EC10 (µg/L)	Species	Test Guideline	PNEC-ENV (µg/L)	PNEC-ENV Rationale	Size Adjusted Lowest MIC[#] (µg/L)	PNEC-MIC[§] (µg/L)	
Trimethoprim	**0.50**	Bengtsson-Palme & Larsson, 2016						8	0.50	No change
		Industry Data	8[j]	*Anabaena flos-aquae*	OECD 201	928.00	*D. magna* EC10 ÷ 10[f]			
		Industry Data	25000	*Anabaena flos-aquae*	OECD 201					
		Kolar et al., 2014	26000	*Anabaena flos-aquae*	OECD 201					
		Guo et al., 2016	18328[i]	*Anabaena flos-aquae*	OECD 201					
		Industry Data	26000	*Anabaena flos-aquae*	OECD 201					
		Industry Data	100000[b]	*Brachydanio rerio*	OECD 210					
		Industry Data	100000[b]	*Brachydanio rerio*	OECD 210					
		Industry Data	5600[c]	*Cerodaphnia dubia*	EPA 1002.0					
		Guo et al., 2016	100000[b,i]	*Chlorella vulgaris*	OECD 201					
		Park and Choi, 2008	6000[b]	*Daphnia magna*	OECD 211					
		Industry Data	9280	*Daphnia magna*	OECD 211					
		Guo et al., 2016	100000[b,i]	*Desmodesmus subspicatus*	OECD 201					
		Industry Data	32000[b]	*Raphidocelis subcapitata*	OECD 201					
		Guo et al., 2016	63371[b,i]	*Raphidocelis subcapitata*	OECD 201					
		Kolar et al., 2014	65000	*Raphidocelis subcapitata*	OECD 201					
		Industry Data	67700	*Synechococcus leopoliensis*	OECD 201					
		Guo et al., 2016	28300[i]	*Synechococcus leopoliensis*	OECD 201					
Trovafloxacin	**0.03**	Bengtsson-Palme & Larsson, 2016				N/A		0.5	0.03	No change
Tylosin	**0.98**	Bengtsson-Palme & Larsson, 2016						32	4.00	No change
		Guo et al., 2016	18.3[i]	*Anabaena flos-aquae*	OECD 201	0.98	*S.leopoliensis* EC10 ÷ 10[a]			
		Industry Data	47[c]	*Anabaena flos-aquae*	OECD 201					
		Guo et al., 2016	74390[b,i]	*Chlorella vulgaris*	OECD 201					
		Guo et al., 2016	3710[i]	*Desmodesmus subspicatus*	OECD 201					
		Guo et al., 2016	834[i]	*Desmodesmus subspicatus*	OECD 201					
		Industry Data	2600[b]	*Raphidocelis subcapitata*	OECD 201					
		Industry Data	9.60	*Synechococcus leopoliensis*	OECD 201					
		Guo et al., 2016	10.1[i]	*Synechococcus leopoliensis*	OECD 201					
Vancomycin	**8.00**	Bengtsson-Palme & Larsson, 2016						125	8.00	No change
		Industry Data	135	*Anabaena flos-aquae*	OECD 201	13.50	*A. flos-aquae* EC10 ÷ 10			
Viomycin	**2.00**	Bengtsson-Palme & Larsson, 2016				N/A		16	2.00	No change
Virginiamycin	**2.00**	Bengtsson-Palme & Larsson, 2016						16	2.00	No change
		Industry Data	711	*Anabaena flos-aquae*	OECD 201	71.10	*A. flos-aquae* EC10 ÷ 10			

[#] The size-adjusted lowest MIC rounded down to the closest concentration on the EUCAST testing scale.
[§] The PNEC corresponds to the size-adjusted lowest MIC divided by an assessment factor of 10, then rounded down to the closest concentration on the EUCAST testing scale.
[a] Geomean of most sensitive species used if EC10 or NOEC values were within one (1) order of magnitude; otherwise, lowest value used preferentially
[b] Indicates reported value is a NOEC due to lack of dose-response observed in the study
[c] Indicates value is a NOEC; unknown if dose-response was observed in the study
[d] Reported value is a 24-hour EC10 due to significant decreases observed in measured test concentrations at 48- and 72-hours
[e] Anabaena flos-aquae less sensitive in rangefinder study (Anabaena flos-aquae EC50 > 500 µg/L)
[f] EC10 value used preferentially instead of NOEC to calculate PNEC-ENV
[g] 24-hour study
[h] 48-hour study
[i] 96-hour study
[j] Three repeat studies indicate value is an outlier; removed from PNEC derivation
[k] New PNEC-MIC derived from EUCAST MIC distribution data following the method published by Bengtsson-Palme & Larsson, 2016
[l] Based on read-across from colistin (polymixin E)
[m] PNEC-MIC derived from industry MIC data which has been submitted to EUCAST (available upon request) following the method published by Bengtsson-Palme & Larsson, 2016.
[n] Default PNEC-MIC from Vestel, Caldwell, Tell et al., 2022.
[o] Based on PNEC-MIC for benzylpenicillin