



ANTIBIOGRAMS – MRSA

Antibiograms are important when designing antibiotic resistance studies to ensure the API is effective against target strains. Below are the antibiograms of MRSA from several countries in Emery Pharma’s inventory.

Typical MIC values are given for each standard antibiotic, then susceptibility is determined per CLSI guidelines:
R = Resistant, **S** = Susceptible, **I** = Intermediate

NOTE: All isolates listed were oxacillin resistant and 100% susceptible to vancomycin, daptomycin, and linezolid.

Study Isolate ID	Country	Ciprofloxacin		Clindamycin		Erythromycin		Imipenem		Trimeth/Sulfa	
1974119	US	16	R	0.12	S	>8	R	0.25	S	<=0.25	S
1974120	US	>16	R	0.12	S	>8	R	0.25	S	<=0.25	S
1974121	US	>16	R	0.12	S	>8	R	0.25	S	<=0.25	S
1974122	US	16	R	0.12	S	>8	R	1	S	<=0.25	S
1974123	US	>16	R	0.12	S	>8	R	0.12	S	<=0.25	S
1974124	US	16	R	0.12	S	0.25	S	0.12	S	<=0.25	S
1974125	US	0.5	S	>4	R	>8	R	2	S	<=0.25	S
1974126	US	>16	R	>4	R	>8	R	>32	R	<=0.25	S
1974127	US	16	R	0.12	S	>8	R	0.25	S	<=0.25	S
1974128	US	0.5	S	0.12	S	>8	R	0.5	S	<=0.25	S
1974129	US	16	R	>4	R	>8	R	0.5	S	<=0.25	S
1974130	US	0.5	S	0.12	S	0.5	S	1	S	<=0.25	S
1974131	US	>16	R	>4	R	>8	R	16	R	<=0.25	S
1974132	US	>16	R	0.12	S	>8	R	0.5	S	<=0.25	S
1974133	US	16	R	>4	R	>8	R	2	S	<=0.25	S
1974134	US	0.25	S	0.12	S	0.25	S	0.12	S	<=0.25	S
1974135	US	>16	R	>4	R	>8	R	32	R	<=0.25	S
1974136	US	>16	R	>4	R	>8	R	0.5	S	<=0.25	S
1974137	US	>16	R	0.12	S	>8	R	0.06	S	<=0.25	S
1974138	US	4	R	0.12	S	>8	R	0.06	S	<=0.25	S
1974139	US	16	R	0.12	S	>8	R	0.12	S	<=0.25	S
1974140	US	>16	R	>4	R	>8	R	0.5	S	<=0.25	S
1974141	US	0.5	S	0.12	S	>8	R	0.5	S	<=0.25	S
1974142	US	0.5	S	0.12	S	>8	R	0.12	S	<=0.25	S
1974143	US	>16	R	>4	R	>8	R	1	S	<=0.25	S
1974144	US	>16	R	0.12	S	>8	R	0.5	S	<=0.25	S
1974145	US	16	R	0.12	S	>8	R	0.12	S	<=0.25	S
1974146	US	0.5	S	0.12	S	>8	R	0.12	S	<=0.25	S
1974147	US	0.5	S	0.12	S	>8	R	0.12	S	<=0.25	S
1974148	US	>16	R	>4	R	>8	R	32	R	<=0.25	S
1974149	US	0.12	S	0.12	S	0.5	S	0.25	S	<=0.25	S
1974150	US	0.5	S	0.12	S	>8	R	0.5	S	<=0.25	S

Study Isolate ID	Country	Ciprofloxacin		Clindamycin		Erythromycin		Imipenem		Trimeth/Sulfa	
1974151	US	0.5	S	0.12	S	0.5	S	0.12	S	<=0.25	S
1974152	US	>16	R	0.25	S	>8	R	0.25	S	<=0.25	S
1974153	US	16	R	0.12	S	>8	R	0.5	S	<=0.25	S
1974154	US	>16	R	0.12	S	>8	R	1	S	<=0.25	S
1974155	US	>16	R	0.25	S	>8	R	16	R	<=0.25	S
1974156	US	8	R	0.06	S	>8	R	8	I	<=0.25	S
1974157	US	8	R	0.12	S	>8	R	0.5	S	<=0.25	S
1974158	US	0.5	S	0.12	S	0.5	S	0.5	S	<=0.25	S
1974159	US	16	R	0.12	S	>8	R	0.5	S	<=0.25	S
1974160	US	8	R	0.12	S	>8	R	0.25	S	<=0.25	S
1974161	US	16	R	>4	R	>8	R	2	S	<=0.25	S
1974162	US	16	R	0.12	S	0.25	S	0.06	S	<=0.25	S
1974163	US	>16	R	0.25	S	>8	R	0.5	S	<=0.25	S
1974164	US	8	R	0.12	S	>8	R	0.06	S	<=0.25	S
1974165	US	8	R	0.12	S	>8	R	0.12	S	1	S
1974166	US	8	R	0.12	S	>8	R	0.5	S	<=0.25	S
1974167	US	16	R	0.12	S	>8	R	0.06	S	<=0.25	S
1974168	US	>16	R	0.12	S	>8	R	0.06	S	<=0.25	S
1974169	Belgium	>16	R	0.12	S	0.5	S	<=0.25	S	<=0.25	S
1974170	Belgium	>16	R	0.12	S	0.5	S	<=0.25	S	<=0.25	S
1974171	Belgium	>16	R	>4	R	>8	R	<=0.25	S	<=0.25	S
1974172	Belgium	>16	R	0.12	S	>8	R	<=0.25	S	<=0.25	S
1974173	Netherlands	0.25	S	0.12	S	>8	R	>4	R	<=0.25	S
1974174	Netherlands	0.5	S	0.12	S	0.5	S	<=0.25	S	<=0.25	S
1974175	Belgium	>16	R	>4	R	>8	R	<=0.25	S	<=0.25	S
1974176	Belgium	>16	R	0.12	S	0.5	S	<=0.25	S	<=0.25	S
1974177	Belgium	>16	R	0.12	S	0.5	S	<=0.25	S	<=0.25	S
1974178	Belgium	0.25	S	0.06	S	0.25	S	<=0.25	S	<=0.25	S
1974179	Spain			0.12	S	0.25	S	<=0.25	S	<=0.25	S
1974180	Italy			>2	R	>4	R	<=0.25	S	<=0.25	S
1974181	France			>2	R	>4	R	<=0.25	S	<=0.25	S
1974182	France			0.12	S	0.5	S	<=0.25	S	<=0.25	S
1974183	France			0.06	S	0.5	S	<=0.25	S	<=0.25	S
1974184	France	0.125	S	0.12	S	>4	R	<=0.25	S	<=0.25	S
1974185	France			>2	R	>4	R	<=0.25	S	<=0.25	S
1974186	France			>2	R	>4	R	<=0.25	S	<=0.25	S
1974187	France			>2	R	>4	R	<=0.25	S	<=0.25	S
1974188	France			>2	R	>4	R	<=0.25	S	<=0.25	S
1974189	France			>2	R	>4	R	<=0.25	S	<=0.25	S

Study Isolate ID	Country	Ciprofloxacin		Clindamycin		Erythromycin		Imipenem	Trimeth/Sulfa	
1974190	France			0.25	S	0.25	S		<=0.25	S
1974191	Spain			0.12	S	0.5	S		<=0.25	S
1974192	France			0.12	S	0.5	S		<=0.25	S
1974193	France			>2	R	>4	R		<=0.25	S
1974194	France			>2	R	>4	R		<=0.25	S
1974195	France			0.12	S	0.5	S		<=0.25	S
1974196	Germany			>2	R	>4	R		<=0.25	S
1974197	Germany			>2	R	>4	R		<=0.25	S
1974198	Germany			>2	R	>4	R		<=0.25	S
1974199	Germany	>64	R	0.12	S	>4	R		<=0.25	S
1974200	Germany			>2	R	>4	R		<=0.25	S
1974201	Spain	4	R	0.12	S	>4	R		<=0.25	S
1974202	Spain			0.12	S	>4	R		<=0.25	S
1974203	Spain			>2	R	>4	R		<=0.25	S
1974204	Spain			0.12	S	0.5	S		<=0.25	S
1974205	Italy			>2	R	>4	R		<=0.25	S
1974206	Italy			0.12	S	>4	R		<=0.25	S
1974207	UK			>2	R	>4	R		<=0.25	S
1974208	UK			>2	R	>4	R		<=0.25	S
1974209	UK			0.12	S	>4	R		<=0.25	S
1974210	UK			0.12	S	>4	R		<=0.25	S
1974211	UK			0.12	S	>4	R		<=0.25	S
1974212	UK			0.12	S	0.5	S		<=0.25	S
1974213	Spain			0.12	S	>4	R		<=0.25	S
1974214	Spain			>2	R	>4	R		<=0.25	S
1974215	France			0.5	S	0.5	S		<=0.25	S
1974216	France			>2	R	>4	R		<=0.25	S
1974217	UK			0.12	S	>4	R		<=0.25	S
1974218	UK			0.12	S	0.5	S		<=0.25	S

Clinical Isolates obtained from Eurofins Medinet, Inc. Herndon, VA