



Bacterial Spectrum Of Most Used Antimicrobials (2016)														
Morphology Relationship with O2 Cellular wall Gender Species	COCOS							Bacillus					Specials	
	Aerobic Bacteria aerobic/facultative anaerobes							Strict anaerobic bacteria						
	GRAM +			GRAM -				Bacteroides		Clostridium				
	Enterococcus		Staphylococcus		Streptococcus spp.	E.coli	Klebsiella	Proteus spp.	Pseudomonas aeruginosa	ESCAPM	B. fragilis	NO C. difficile		C. difficile
BETA-LACTAMS	PENICILLINS	E. faecalis		E. faecium		MRSA		MSSA		PENICILLIN G PENICILLIN V		AMOXICILLIN/CLAVULANIC		Sagalactiae Treponema pallidum
		AMOXICILLIN		AMOXICILLIN		AMOXICILLIN/CLAVULANATE		CLOXACILLIN		PIPERACILLIN/TAZOBACTAM		AMOXICILLIN/CLAVULANIC		Lateria Pasteurella spp
		PIPERACILLIN/TAZOBACTAM		PIPERACILLIN/TAZOBACTAM		PIPERACILLIN/TAZOBACTAM		PIPERACILLIN/TAZOBACTAM		PIPERACILLIN/TAZOBACTAM		PIPERACILLIN/TAZOBACTAM		
		CEFAZOLIN		CEFAZOLIN		CEFAZOLIN		CEFAZOLIN		CEFAZOLIN		CEFAZOLIN		
		CEFUROXIME		CEFUROXIME		CEFUROXIME		CEFUROXIME		CEFUROXIME		CEFUROXIME		
	CEPHALOSPORINS	CEFOTAXIME/CEFTRIAXONE		CEFOTAXIME/CEFTRIAXONE		CEFOTAXIME/CEFTRIAXONE		CEFOTAXIME/CEFTRIAXONE		CEFOTAXIME/CEFTRIAXONE		CEFOTAXIME/CEFTRIAXONE		N gonorrhoeae N meningitidis
		CEFTRIAXONE		CEFTRIAXONE		CEFTRIAXONE		CEFTRIAXONE		CEFTRIAXONE		CEFTRIAXONE		
		CEFTAZIDIME		CEFTAZIDIME		CEFTAZIDIME		CEFTAZIDIME		CEFTAZIDIME		CEFTAZIDIME		
		CEFTAZIDIME		CEFTAZIDIME		CEFTAZIDIME		CEFTAZIDIME		CEFTAZIDIME		CEFTAZIDIME		
		CEFTAZIDIME		CEFTAZIDIME		CEFTAZIDIME		CEFTAZIDIME		CEFTAZIDIME		CEFTAZIDIME		
CARBAPENEMS	IMIPENEM/C. DORIPENEM		IMIPENEM/C. DORIPENEM		IMIPENEM/C. DORIPENEM		IMIPENEM/C. DORIPENEM		IMIPENEM/C. DORIPENEM		IMIPENEM/C. DORIPENEM		A. baumannii (1) S. maltophilia	
	DORIPENEM		DORIPENEM		DORIPENEM		DORIPENEM		DORIPENEM		DORIPENEM			
MONOBACTAM	ERTAPENEM		ERTAPENEM		ERTAPENEM		ERTAPENEM		ERTAPENEM		ERTAPENEM			
	ERTAPENEM		ERTAPENEM		ERTAPENEM		ERTAPENEM		ERTAPENEM		ERTAPENEM			
MACROLIDES	AZITHROMYCIN (A)		AZITHROMYCIN (A)		AZITHROMYCIN (A)		AZITHROMYCIN (A)		AZITHROMYCIN (A)		AZITHROMYCIN (A)		L. pneumophila (A) M. pneumoniae (A) C. pneumoniae (A/C) B. pertussis C. diphtheriae H. pylori (C) C. jejuni (A)	
	CLARITHROMYCIN (C)		CLARITHROMYCIN (C)		CLARITHROMYCIN (C)		CLARITHROMYCIN (C)		CLARITHROMYCIN (C)		CLARITHROMYCIN (C)			
QUINOLONES	LEVO-FLOXACIN		LEVO-FLOXACIN		LEVO-FLOXACIN		LEVO-FLOXACIN		LEVO-FLOXACIN		LEVO-FLOXACIN		Salmonella spp. (C/L) Shigella spp. (C)	
	MOXI-FLOXACIN		MOXI-FLOXACIN		MOXI-FLOXACIN		MOXI-FLOXACIN		MOXI-FLOXACIN		MOXI-FLOXACIN			
AMINOGLYCOSIDES	GENTAMICIN		GENTAMICIN		GENTAMICIN		GENTAMICIN		GENTAMICIN		GENTAMICIN		Brucella (G)	
	TOBRAMICIN		TOBRAMICIN		TOBRAMICIN		TOBRAMICIN		TOBRAMICIN		TOBRAMICIN		Chlamydia trachomatis Bacteroides spp. Mycoplasma spp. Borrelia spp. Brucella Coccidia Vibrio cholerae	
TETRACYCLINE	DOXYCYCLINE		DOXYCYCLINE		DOXYCYCLINE		DOXYCYCLINE		DOXYCYCLINE		DOXYCYCLINE			
	DOXYCYCLINE		DOXYCYCLINE		DOXYCYCLINE		DOXYCYCLINE		DOXYCYCLINE		DOXYCYCLINE			
VARIOUS	RIFAMPICIN		RIFAMPICIN		RIFAMPICIN		RIFAMPICIN		RIFAMPICIN		RIFAMPICIN			
	CLINDAMICIN		CLINDAMICIN		CLINDAMICIN		CLINDAMICIN		CLINDAMICIN		CLINDAMICIN			
FOSFOMY CIN	FOSFOMY CIN		FOSFOMY CIN		FOSFOMY CIN		FOSFOMY CIN		FOSFOMY CIN		FOSFOMY CIN		G. vaginalis	
	FOSFOMY CIN		FOSFOMY CIN		FOSFOMY CIN		FOSFOMY CIN		FOSFOMY CIN		FOSFOMY CIN			
COTRIMOXAZOLE (TMP/SMX)	COTRIMOXAZOLE (TMP/SMX)		COTRIMOXAZOLE (TMP/SMX)		COTRIMOXAZOLE (TMP/SMX)		COTRIMOXAZOLE (TMP/SMX)		COTRIMOXAZOLE (TMP/SMX)		COTRIMOXAZOLE (TMP/SMX)		S. maltophilia Nocardia P. jirovecii*	
	COTRIMOXAZOLE (TMP/SMX)		COTRIMOXAZOLE (TMP/SMX)		COTRIMOXAZOLE (TMP/SMX)		COTRIMOXAZOLE (TMP/SMX)		COTRIMOXAZOLE (TMP/SMX)		COTRIMOXAZOLE (TMP/SMX)			
TIGECYCINE	TIGECYCINE		TIGECYCINE		TIGECYCINE		TIGECYCINE		TIGECYCINE		TIGECYCINE		A. baumannii S. maltophilia	
	TIGECYCINE		TIGECYCINE		TIGECYCINE		TIGECYCINE		TIGECYCINE		TIGECYCINE			
GLYCOPEPTIDES	VANCOMICIN		VANCOMICIN		VANCOMICIN		VANCOMICIN		VANCOMICIN		VANCOMICIN			
	TEICoplanin		TEICoplanin		TEICoplanin		TEICoplanin		TEICoplanin		TEICoplanin			
OXAZOLIDINONES	LINEZOLID		LINEZOLID		LINEZOLID		LINEZOLID		LINEZOLID		LINEZOLID			
	TEDIZOLID		TEDIZOLID		TEDIZOLID		TEDIZOLID		TEDIZOLID		TEDIZOLID			
LIPOPEPTIDE	DAPTOMYCIN		DAPTOMYCIN		DAPTOMYCIN		DAPTOMYCIN		DAPTOMYCIN		DAPTOMYCIN			
	DAPTOMYCIN		DAPTOMYCIN		DAPTOMYCIN		DAPTOMYCIN		DAPTOMYCIN		DAPTOMYCIN			
POLYMYXIN	COLISTIN (COLISTIMETHATE SODIUM)		COLISTIN (COLISTIMETHATE SODIUM)		COLISTIN (COLISTIMETHATE SODIUM)		COLISTIN (COLISTIMETHATE SODIUM)		COLISTIN (COLISTIMETHATE SODIUM)		COLISTIN (COLISTIMETHATE SODIUM)		A. baumannii S. maltophilia	
	COLISTIN (COLISTIMETHATE SODIUM)		COLISTIN (COLISTIMETHATE SODIUM)		COLISTIN (COLISTIMETHATE SODIUM)		COLISTIN (COLISTIMETHATE SODIUM)		COLISTIN (COLISTIMETHATE SODIUM)		COLISTIN (COLISTIMETHATE SODIUM)			

Only spectra are collected if they have application in clinical practice. (Blank cells do not mean that the bacterium is not sensitive to the antimicrobial in vitro and in vivo).
Some spectra, antibacterial drugs and less relevant bacteria are omitted to simplify the information.
The resistance profile to antimicrobial drugs is variable in each zone, so it is recommended to consult the annual bulletin of resistance in each hospital.
This table is a practical simplification, and in no way attempts to replace the clinical criterion.

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	Alfredo Montero D. (@Amonterode)	Diego García M. (@micromunidad)		Black letters : Existence of IV & PO presentation	
	Gemma Arrufat G. (@gemmaarrufat)	Javier Merino A. (@javiermerino)		Escapam S - Serotype spp. C. difficile A. baumannii spp. P. fragilis spp. B. fragilis spp.	P. jirovecii is a fungus

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