

Antimicrobial Susceptibility Testing

The following drugs are available for Antimicrobial Susceptibility MIC* Testing:

Antibacterial	Ceftizoxime	Linezolid	Rifampin	5-Fluorocytosine	Imipenem
Amikacin	Ceftriaxone	Lomefloxacin	Streptomycin	Griseofulvin	Isoniazid
Amoxicillin	Cefuroxime	Meropenem	Sulfamethoxazole	Itraconazole	Kanamycin
Amoxicillin/ Clavulanate	Cephalexin	Metronidazole	Sulfisoxazole	Ketoconazole	Linezolid
Ampicillin	Cephalothin	Minocycline	Tetracycline	Miconazole	Minocycline
Ampicillin/ Sulbactam	Chloramphenicol	Moxifloxacin	Ticarcillin	Natamycin	p-Aminosalicylic acid
Azithromycin	Ciprofloxacin	Mupirocin	Ticarcillin/ Clavulanate	Nystatin	Pyrazinamide
Aztreonam	Clarithromycin	Nafcillin	Tigecycline	Posaconazole	Rifabutin
Bacitracin	Clindamycin	Nalidixic Acid	Tobramycin	Terbinafine	Rifampin (Rifampicin)
Carbenicillin	Colistin	Neomycin	Trimethoprim	Terconazole	Streptomycin
Cefaclor	Daptomycin	Nitrofurantoin	Trimethoprim/ Sulfamethoxazole	Voriconazole	Tobramycin
Cefazolin	Dicloxacillin	Norfloxacin	Vancomycin	Antimycobacterial	Trimethoprim/ Sulfamethoxazole
Cefepime	Doripenem	Ofloxacin		Amikacin	
Cefixime	Doxycycline	Oxacillin		Capreomycin	Antiviral
Cefotaxime	Ertapenem	Penicillin	Antifungal	Cefoxitin	Acyclovir
Ceftazidime	Erythromycin	Piperacillin	Amphotericin B	Ciprofloxacin	Foscarnet
Cefoxitin	Fosfomycin	Piperacillin/ Tazobactam	Butoconazole	Clarithromycin	Ganciclovir
Cefpodoxime	Gemifloxacin	Polymyxin B	Caspofungin	Cycloserine	
Cefprozil	Imipenem	Quinupristin/ Dalfopristin	Clotrimazole	Ethambutol	
	Kanamycin		Fluconazole	Ethionamide	
	Levofloxacin				

*MBC testing is available for selected drugs.

Drug Resistance by Mutation Analysis

Molecular techniques are used to determine point mutations that are known to be responsible for drug resistance patterns in specific organisms. Focus Diagnostics performs testing for the following:

- ▶ Cytomegalovirus (CMV) Genotyping
- ▶ Hepatitis B Virus (HBV) Genotyping
- ▶ HIV Genotyping

Drug resistance genotyping is performed at Quest Diagnostics Nichols Institute.

REFERENCES

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4. Yu, V.L., Merigan, T.C., Barriere, S.L. *Antimicrobial Therapy and Vaccines*, Williams & Williams. 1999.