



ANTIMICROBIAL RESISTANCE (AMR) SOLUTIONS

Southwest Labs provides proprietary solutions to Antimicrobial Resistance.

Our patient specific Antibigram removes guesswork by detecting antibiotic resistant genes, providing patients effective information for optimal treatment outcomes, saving costs, and mitigating risks.

- **Antimicrobial Resistance:** Southwest Labs is addressing the antibiotic resistance public health crisis through developing advancements in PCR technology and implementing innovative solutions for our clients that help you treat patients fast, and accurately.
- **Antibiotic Stewardship:** We support antibiotic stewardship by reducing over utilization of broad-spectrum antibiotics, providing guidance that reduces unnecessary drug exposure and cost of repeat testing.

Quick Summary Antibiotic Table Legend:		
(++)	BEST ACTIVITY	
(+)	GOOD ACTIVITY	
(=)	VARIABLE ACTIVITY	
Penicillins	Ampicillin (IV/IM)(po)	± +
	Amoxicillin (po)	± +
	Amoxicillin Clavulanic acid (po)	+ +
Fluoroquinolones	Ciprofloxacin (po/OT/OP/IV)	+ ±
	Doflaxacin (po/IV)	+ ±
	Ofloxacin (po/OT/OP)	+ ±
	Levofloxacin (po/OP/IV)	+ +
	Moxifloxacin (po/OP/IV)	+ +
	Norfloxacin (po)	+ +
	Prulifloxacin (po)	+ ±
	Gemifloxacin (po)	+ +
Tetracyclines	Omadacycline (po/IV)	+ +
Nitrofurans	Nitrofurantoin (Macrobid) (po)	+ +
Phosphonic acid derivative	Fosfomycin (po)	+ ±

URINARY TRACT INFECTION PLUS

SAMPLE TYPE: Urine Swab, Catheter Swab

Acinetobacter baumannii
Candida albicans, glabrata, parapsilosis, tropicalis
Citrobacter freundii
Enterobacter aerogenes, cloacae
Enterococcus faecalis, faecium
Escherichia coli

Klebsiella pneumoniae, oxytoca
Morganella morganii
Mycoplasma genitalium, hominis
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Serratia marcescens
Staphylococcus aureus
*Staphylococcus spp.*¹

*Streptococcus agalactiae*²
*Streptococcus pyogenes*³
Trichomonas vaginalis
Ureaplasma urealyticum, parvum

ANTIBIOTIC RESISTANCE GENES

VanA, VanB⁴
ermB, C, mefA⁴
SHV, KPC Groups⁵
dfr (A1, A5), sul (1, 2)
mecA⁴

qnrA1, qnrA2, qnrB2⁶
tet B, tet M⁷
IMP, NDM, VIM Groups⁸
ACT, MIR, FOX, ACC Groups⁹
OXA-48, -51¹⁰

CTX-M1 (15), M2 (2), M9 (9),
M8/25 Groups¹¹

NOT TYPICALLY DETECTED BY CULTURE

- FUNGAL
- ANAEROBE
- SLOW GROWING
- STREPTOCOCCUS SPECIES
- NOT TYPICALLY TESTED BY CULTURE

PRACTICE WORKFLOW SOLUTIONS

- SimpliSWAB™ is a proprietary collection medium, that simplifies the collection process and features one-vial collection, regardless of the pathogen.
- Coordinated courier services are available, including FedEx, UPS or local courier.
- Clinically actionable reports delivered in an easy-to-read format, within 48 hours of sample receipt.
- In-network lab for most major medical insurance payors, Medicaid and Medicare.
- Integrates easily with EMR systems online via our Client Web Portal.

¹Coagulase negative species: *S. epidermidis*, *S. haemolyticus*, *S. lugdunensis*, *S. saprophyticus*

²Group B Strep (GBS)

³Group A Strep

⁴Vancomycin

⁵Macrolide, Lincosamide, Streptogramin

⁶Class A beta-lactamase

⁷Trimethoprim/Sulfamethoxazole

⁸Methicillin

⁹Fluoroquinolone

¹⁰Tetracycline

¹¹Class B metallo-beta-lactamase

¹²AmpC beta-lactamase

¹³Class D oxacillinase