



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.

MOLECULAR PATHOLOGY REPORT

Quick Summary Antibiotic Table Legend:
 (++) BEST ACTIVITY
 (+) GOOD ACTIVITY
 (=) VARIABLE ACTIVITY

		Escherichia coli	Enterococcus spp. (faecalis/faecium)
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)	+	±
Tetracyclines	Omadacycline (PO/IV)	+	+
	Nitrofurantoin (Macrobidi) (PO)	+	+
Phosphonic acid derivative	Nitrofurantoin (Macrobidi) (PO)	+	+
	Fosfomycin (PO)	+	±

URINARY TRACT INFECTION PLUS

SAMPLE TYPE: Urine Swab, Catheter Swab

Acinetobacter baumannii
Candida albicans, glabrata, parapsilosis, tropicalis
Candida auris
 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 agalactiae²
Streptococcus pyogenes³
Trichomonas vaginalis
Ureaplasma urealyticum, parvum

ANTIBIOTIC RESISTANCE GENES

VanA, VanB⁴
 ermB, C, mefA⁵
 SHV, KPC Groups⁶
 dfr (A1, A5), sul (1, 2)
 mecA⁷

qnrA1, qnrA2, qnrB2⁸
 tet B, tet M⁹
 IMP, NDM, VIM Groups¹⁰
 ACT, MIR, FOX, ACC Groups¹¹
 OXA-48,-51¹²

CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups¹³

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