

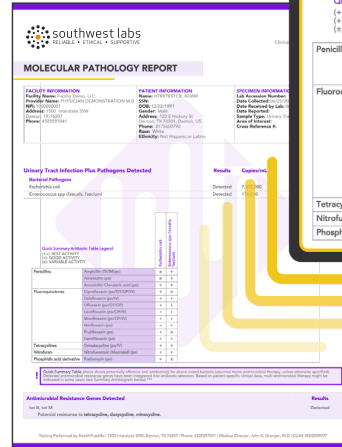


ANTIMICROBIAL RESISTANCE (AMR) SOLUTIONS

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

Antibiotic Class	Antibiotic	Escherichia coli	Staphylococcus spp. (nasal)
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/IV)	+	+
	Moxifloxacin (po/OP/IV)	+	+
	Norfloxacin (po)	+	+
Tetracyclines	Omadacycline (po/IV)	+	+
	Nitrofurantoin (Macrobid) (po)	+	+
Phosphonic acid derivative	Fosfomycin (po)	+	±

OPHTHALMOLOGY PATHOGENS

Acinetobacter baumannii
 Adenovirus HAdV-B
Aspergillus flavus, fumigatus, niger, terreus
Candida albicans, glabrata, parapsilosis, tropicalis
Candida auris
Chlamydia pneumoniae
Chlamydia trachomatis
 Coronavirus (229E, NL63, OC43, and HKU1)

Enterobacter aerogenes, cloacae
 Enterovirus A,B,C
 Enterovirus D68
 Escherichia coli
 Haemophilus influenzae
 Herpes simplex virus 1 & 2¹
 Human metapneumovirus
 Influenza virus A, B
 Klebsiella pneumoniae, oxytoca

SAMPLE TYPE: Eye Swab, Lacrimal Fluid, Vitreous Fluids

Moraxella catarrhalis
Mycoplasma genitalium, hominis
Mycoplasma pneumoniae
Neisseria gonorrhoeae
 Parainfluenza virus (types 1, 2, 3, 4) Proteus mirabilis, vulgaris
 Pseudomonas aeruginosa
 Respiratory syncytial virus
 Rhinovirus A, C

Rhizopus spp., Mucor spp.
 Serratia marcescens
 Staphylococcus aureus
 Staphylococcus spp.2
Streptococcus agalactiae³
Streptococcus pneumoniae
Streptococcus pyogenes⁴
Ureaplasma urealyticum, parvum
 Varicella zoster virus⁵

ANTIBIOTIC RESISTANCE GENES

VanA, VanB⁶
 ermB, C; mefA⁷
 SHV, KPC Groups⁸
 dfr (A1, A5), sul (1, 2)⁹
 mecA¹⁰

qnrA1, qnrA2, qnrB2¹¹
 tet B, tet M¹²
 IMP, NDM, VIM Groups¹³
 ACT, MIR, FOX, ACC Groups¹⁴
 OXA-48, -51¹⁵

CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups¹⁶

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.

¹HSV-1, HSV-2

²Coagulase negative species: S. epidermidis, S. haemolyticus, S. lugdunensis, S. saprophyticus

³Group B Strep (GBS)

⁴Group A Strep

⁵VZV, Human Herpesvirus 3

⁶Vancomycin

⁷Macrolide, Lincosamide, Streptogramin

⁸Class A beta-lactamase

⁹Trimethoprim/Sulfamethoxazole

¹⁰Methicillin

¹¹Fluoroquinolone

¹²Tetracycline

¹³Class B metallo-beta-lactamase ¹⁴AmpC beta-lactamase

¹⁵Class D oxacillinase