

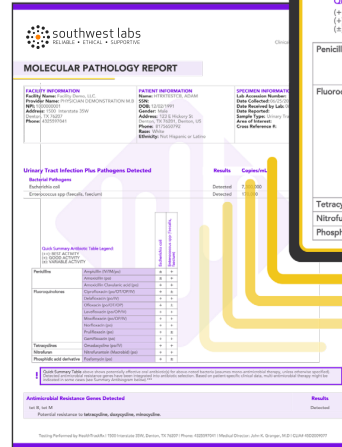


## ANTIMICROBIAL RESISTANCE (AMR) SOLUTIONS

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.



## OTOLARYNGOLOGY 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)

COVID-19 Coronavirus (SARS-CoV-2)  
Enterobacter aerogenes, cloacae  
Enterovirus A,B,C  
Enterovirus D68  
Escherichia coli  
Haemophilus influenzae  
Human metapneumovirus  
Influenza virus A, B  
Klebsiella pneumoniae, oxytoca  
Moraxella catarrhalis  
**Mycoplasma genitalium, hominis**

**SAMPLE TYPE:** Ear swab, tympanocentesis fluid, nasopharynx swab, throat swab.

**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.1

**Streptococcus agalactiae**<sup>2</sup>  
**Streptococcus pneumoniae**  
**Streptococcus pyogenes**<sup>3</sup>  
**Ureaplasma urealyticum, parvum**  
Varicella zoster virus<sup>4</sup>

### ANTIBIOTIC RESISTANCE GENES

VanA, VanB<sup>1</sup>  
ermB, C; mefA<sup>1</sup>  
SHV, KPC Groups<sup>2</sup>  
dfr (A1, A5), sul (1, 2)<sup>3</sup>  
mecA<sup>1</sup>

qnrA1, qnrA2, qnrB2<sup>4</sup>  
tet B, tet M<sup>5</sup>  
IMP, NDM, VIM Groups<sup>6</sup>  
ACT, MIR, FOX, ACC Groups<sup>7</sup>  
OXA-48, -51<sup>8</sup>

CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups<sup>9</sup>

### 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.

<sup>1</sup>Group B Strep (GBS)  
<sup>2</sup>Group A Strep  
<sup>3</sup>Vancomycin  
<sup>4</sup>Macrolide, Lincosamide, Streptogramin  
<sup>5</sup>Class A beta-lactamase  
<sup>6</sup>Trimethoprim/Sulfamethoxazole  
<sup>7</sup>Methicillin  
<sup>8</sup>Fluoroquinolone  
<sup>9</sup>Tetracycline  
<sup>10</sup>Class B metallo-beta-lactamase  
<sup>11</sup>AmpC beta-lactamase  
<sup>12</sup>Class D oxacillinase