

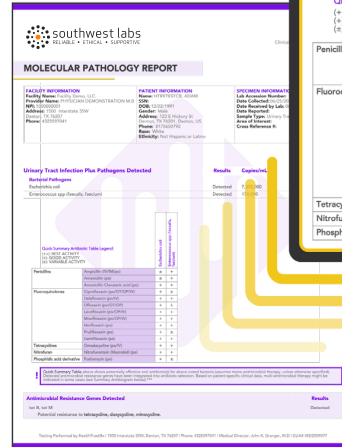


## ANTIMICROBIAL RESISTANCE (AMR) SOLUTIONS

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.



## NAIL/PARONYCHIA, HAIR PATHOGENS

### Bacterial/Viral

*Bacteroides fragilis, vulgatus*  
*Enterobacter aerogenes, cloacae*  
*Enterococcus faecalis, faecium*  
*Escherichia coli*  
*Klebsiella pneumoniae, oxytoca*  
*Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii*

*Proteus mirabilis, vulgaris*  
*Pseudomonas aeruginosa*  
*Serratia marcescens*  
*Staphylococcus aureus*  
*Staphylococcus spp.*<sup>1</sup>  
*Streptococcus agalactiae*<sup>2</sup>  
*Streptococcus pyogenes*<sup>3</sup>

### Fungal

*Aspergillus flavus, fumigatus,*

**SAMPLE TYPE:** Nail Clipping, Paronychia Tissue, Hair Clipping

*niger, terreus*  
*Blastomyces dermatidis*  
*Candida albicans, glabrata, parapsilosis, tropicalis*  
*Candida auris*  
*Epidermophyton floccosum*  
*Fusarium oxysporum, solani*  
*Malassezia furfur, restricta, sympodialis, globosa*

*Microsporium audouinii, canis, gypseum*  
*Trichophyton mentagraphophytes/ interdigitale, rubrum, soudanense, terrestre, tonsurans, verrucosum, violaceum*  
*Trichosporon mucooides, asahii*

### ANTIBIOTIC RESISTANCE GENES

VanA, VanB<sup>1</sup>  
ermB, C, mefA<sup>2</sup>  
SHV, KPC Groups<sup>3</sup>  
dfr (A1, A5), sul (1, 2)  
mecA<sup>4</sup>

qnrA1, qnrA2, qnrB2<sup>5</sup>  
tet B, tet M<sup>6</sup>  
IMP, NDM, VIM Groups<sup>7</sup>  
ACT, MIR, FOX, ACC Groups<sup>8</sup>  
OXA-48, -51<sup>9</sup>

CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups<sup>10</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