

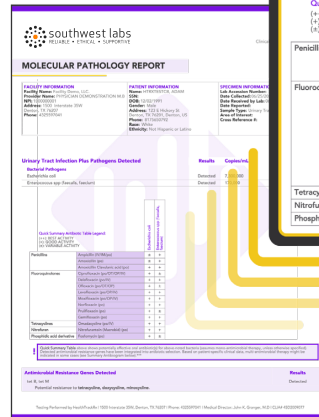


## ANTIMICROBIAL RESISTANCE (AMR) SOLUTIONS

Southwest Labs provides proprietary solutions to Antimicrobial Resistance.

Our patient specific Antibiogram 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.



Antibiotic Class	Antibiotic	Escherichia coli	Enterococcus spp (faecalis, faecium)
Penicillins	Ampicillin (IV/IM) (po)	±	±
	Amoxicillin (po)	±	±
Fluoroquinolones	Amoxicillin Clavulanic acid (po)	±	±
	Ciprofloxacin (po/OT/OP/IV)	±	±
	Delamanid (po/IV)	±	±
	Ofloxacin (po/OT/OP)	±	±
	Levofloxacin (po/OP/IV)	±	±
	Moxifloxacin (po/OP/IV)	±	±
	Narfoxacin (po)	±	±
Tetracyclines	Prulifloxacin (po)	±	±
	Gemifloxacin (po)	±	±
Nitrofurans	Ornidazole (po/IV)	±	±
	Nitrofurantoin (Macrobid) (po)	±	±
Phosphonic acid derivative	Fosfomycin (po)	±	±

## WOUND

### Bacterial/Viral

*Acinetobacter baumannii*  
*Bacteroides fragilis, vulgatus*  
*Burkholderia cepacia, pseudomallei*  
*Citrobacter freundii*  
*Clostridium perfringens, novyi, septicum*  
*Corynebacterium jeikeium, striatum, tuberculostearicum*  
*Cutibacterium (Propionibacterium) acnes*  
*Enterobacter aerogenes, cloacae*  
*Enterococcus faecalis, faecium*  
*Escherichia coli*

*Finexgoldia magna*  
*Haemophilus influenzae*  
*Herpes simplex virus 1 & 2<sup>1</sup>*  
*Klebsiella pneumoniae, oxytoca*  
*Mycobacterium abscessus, chelonae, fortuitum*  
*Mycobacterium avium-intracellulare, kansasii*  
*Mycobacterium marinum, ulcerans*  
*Mycoplasma genitalium, hominis*  
*Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii*  
*Proteus mirabilis, vulgaris*  
*Pseudomonas aeruginosa*  
*Salmonella enterica*

**SAMPLE TYPE:** Wound Swab, Joint Aspiration, Wound Tissue

*Serratia marcescens*  
*Staphylococcus aureus*  
*Staphylococcus spp.<sup>2</sup>*  
*Stenotrophomonas maltophilia*  
*Streptococcus agalactiae<sup>3</sup>*  
*Streptococcus pneumoniae*  
*Streptococcus pyogenes<sup>4</sup> Varicella zoster virus<sup>5</sup>*  
*Vibrio cholerae, parahaemolyticus, vulnificus*  
**Fungal**  
*Aspergillus flavus, fumigatus, niger, terreus*  
*Blastomyces dermatitidis*  
*Candida albicans, glabrata,*

*parapsilosis, tropicalis*  
*Candida auris*  
*Epidermophyton floccosum*  
*Fusarium oxysporum, solani*  
*Malassezia furfur, restricta, sympodialis, globosa*  
*Microsporum audouinii, canis, gypseum*  
*Sporothrix schenckii*  
*Trichophyton mentagraphophytes/ interdigitale, rubrum, soudanense, terrestre, tonsurans, verrucosum, violaceum*  
*Trichosporon mucoides, asahii*

### ANTIBIOTIC RESISTANCE GENES

VanA, VanB<sup>6</sup>  
 ermB, C; mefA<sup>7</sup>  
 SHV, KPC Groups<sup>8</sup>  
 dfr (A1, A5), sul (1, 2)<sup>9</sup>  
 mecA<sup>10</sup>

qnrA1, qnrA2, qnrB2<sup>11</sup>  
 tet B, tet M<sup>12</sup>  
 IMP, NDM, VIM Groups<sup>13</sup>  
 ACT, MIR, FOX, ACC Groups<sup>14</sup>  
 OXA-48, -51<sup>15</sup>

CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups<sup>16</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>HSV-1, HSV-2

<sup>2</sup>Coagulase negative species: *S. epidermidis*, *S. haemolyticus*, *S. lugdunensis*, *S. saprophyticus*

<sup>3</sup>Group B Strep (GBS)

<sup>4</sup>Group A Strep

<sup>5</sup>VZV, Human Herpesvirus 3

<sup>6</sup>Vancomycin

<sup>7</sup>Macrolide, Lincosamide, Streptogramin

<sup>8</sup>Class A beta-lactamase

<sup>9</sup>Trimethoprim/Sulfamethoxazole

<sup>10</sup>Methicillin

<sup>11</sup>Fluoroquinolone

<sup>12</sup>Tetracycline

<sup>13</sup>Class B metallo-beta-lactamase

<sup>14</sup>AmpC beta-lactamase

<sup>15</sup>Class D oxacillinase