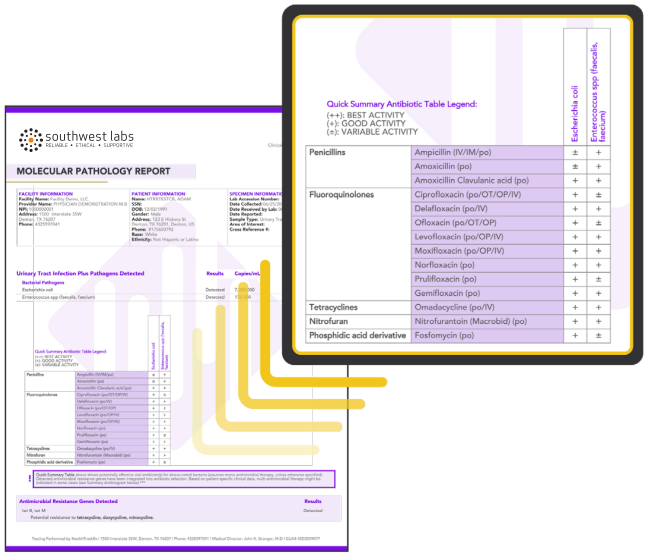
southwest labs
RELIABLE • ETHICAL • SUPPORTIVE

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.



GASTROINTESTINAL

SAMPLE TYPE: Rectal Swab, Stool Swab

Adenovirus HAdV-F, HAdV-G
Astrovirus, Sapovirus G1, G2
Bacteroides fragilis
Campylobacter jejuni, coli
Candida albicans, glabrata, parapsilosis, tropicalis
Clostridioides difficile (toxins A, B) Clostridium perfringens, novyi, septicum
Cryptosporidium hominis, parvum, felis
Cyclospora cayetanensis,
Cystoisospora belli
Dientamoeba fragilis, Entamoeba histolytica
Enteroaggregative E. coli (EAEC)
Enteroinvasive E. coli (EIEC) / Shigella spp.
Enteropathogenic E. coli (EPEC)
Enterotoxigenic E. coli (ETEC)
Enterovirus A, B, C
Enterovirus D68
Giardia intestinalis
Helicobacter pylori
Listeria monocytogenes
Microsporidium (Enterocytozoon bieneusi, Encephalitozoon intestinalis)
Norovirus (Genogroup 1, 2) O157 (STEC 0157)
Rotavirus A, B
Salmonella enterica
Shiga toxin-producing E. coli (STEC) Shiga toxin-producing E. coli
Vibrio parahaemolyticus, vulnificus, cholerae
Yersinia enterocolitica

ANTIBIOTIC RESISTANCE GENES

VanA, VanB[3]
ermB, C; mefA[4]
SHV, KPC Groups[5]
dfr (A1, A5), sul (1, 2)[6]
mecA[7]
qnrA1, qnrA2, qnrB2[8]
tet B, tet M[9]
IMP, NDM, VIM Groups[10]
ACT, MIR, FOX, ACC Groups[11]
OXA-48,-51[12]
CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups[5]

NOT TYPICALLY DETECTED BY CULTURE

- FUNGAL
- ANAEROBE
- SLOW GROWING
- STREPTOCOCCUS SPECIES
- PROTOZOAL
- 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.

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

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