CORE BIO LABS
Precise • Comprehensive • Reliable

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Mentor, OH 44060
OH CLIA #36D2061372
OH CAP #7541618

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Wound Pathogen Panel (PCR)

CoreBioLabs PCR	Culture
Results within 24 hours	Results in 3-14 days
> 99% Sensitivity and Specificity	Typically can only detect one pathogen
Rapid detection of fastidious organisms such as fungi & anaerobes	Extended incubation for fungi and anerobes
NOT affected by antibiotic use	IS affected by antibiotic use

Wound Pathogen Panel

CoreBioLabs precisely analyzes wounds for 48 pathogens and 13 resistance markers simultaneously using advanced molecular identification techniques including the QuantStudio 12 Flex by ThermoFisher®. We proudly offer an option for in-house Antibiotic Susceptibility Testing. After positive culture growth, our BD Phoenix® system provides antimicrobial concentrations for detection of emerging resistance. Our provider friendly reporting is portal driven with personalized office flexibility.

Pathogens + Markers

Acinetobacter baumannii
Acremonium strictum
Aspergillus fumigatus
Aspergillus niger
Aspergillus versicolor
Bacteroides fragilis
Candida albicans
Candida glabrata
Candida krusei
Candida parapsilosis
Candida tropicalis
Citrobacter freundii
Clostridium novyi (A, B)
Clostridium perfringens
Clostridium septicum
Corynebacterium sp
Cutibacterium (Propionibacterium) acnes
Enterobacter aerogenes
Enterobacter cloacae
Enterococcus faecalis
Enterococcus faecium
Epidermophyton floccosum
Escherichia coli
Fusarium solani
Herpes simplex virus 1
Herpes simplex virus 2
Human herpesvirus 3 (HHV3 – Varicella zoster Virus)
Kingella kingae
Klebsiella oxytoca
Klebsiella pneumoniae
Microsporum audouinii
Moraxella Catarrhalis
Morganella morganii
Neofusicoccum mangiferae
Prevotella loescheii
Proteus mirabilis
Proteus vulgaris
Pseudomonas aeruginosa
Scopulariopsis brevicaulis
Serratia marcescens
Staphylococcus aureus
Staphylococcus Coag-Neg
Staphylococcus epidermidis
Staphylococcus saprophyticus
Strep agalactiae (Group B)
Strep dysgalactiae (Group G)
Strep pyogenes (Group A)
Strep pneumoniae
Trichophyton interdigitale
Trichophyton rubrum

Resistance Markers
Carbapenems
ESBL
Fosfomycin
Macrolide
Quinolone
Sulfonamide/ Trimethoprim
Tetracycline
Vancomycin
AmpC
Methicillin

"Ninety-seven patients with post-operative SSI whose wound swabs/aspirate were **negative in the conventional aerobic culture** after 72 h of incubation were analysed by 16S rRNA gene specific broad range PCR.

Of the 97 patients, 16S rRNA based **broad range PCR assay could identify the presence of bacterial pathogen in 53 (54.63%) cases**, of which 29 isolates were supposed to be of viable but non-culturable bacteria (VBNC), 07 were of obligatory anaerobes and 13 were of unculturable bacteria, 04 were with poly bacterial infections."[1]

CAP ACCREDITED
COLLEGE of AMERICAN PATHOLOGISTS

Clinical Laboratory Improvement Amendments

1 Behera, H. S., Chayani, N., Bal, M., Khuntia, H. K., Pati, S., Das, S., & Ranjit, M. (2021). Identification of population of bacteria from culture negative surgical site infection patients using molecular tool. BMC surgery, 21(1), 28. https://doi.org/10.1186/s12893-020-01016-y