

PLEX-ID BAC Detection

PLEX-ID provides information for public health and biological research, biopharmaceutical development, and forensics.

- PLEX-ID can **detect and characterize** both known and previously unknown organisms found in a sample
- PLEX-ID combines the **sensitivity and specificity** of polymerase chain reaction (PCR), the **precision and accuracy** of mass spectrometry (mass spec), a **comprehensive database**, and an **identification algorithm**
- PLEX-ID can provide **consolidated analysis** of multiple components within **polymicrobial mixtures**
- PLEX-ID can deliver results **simply and in less than 8 hours**
- PLEX-ID consolidates the strengths of multiple testing technologies to **generate a broad range of data**

The BAC Detection (Bacteria, Antibiotic Resistance, and Candida) assay is designed to detect and identify Bacteria and Candida from direct specimens.

Capabilities

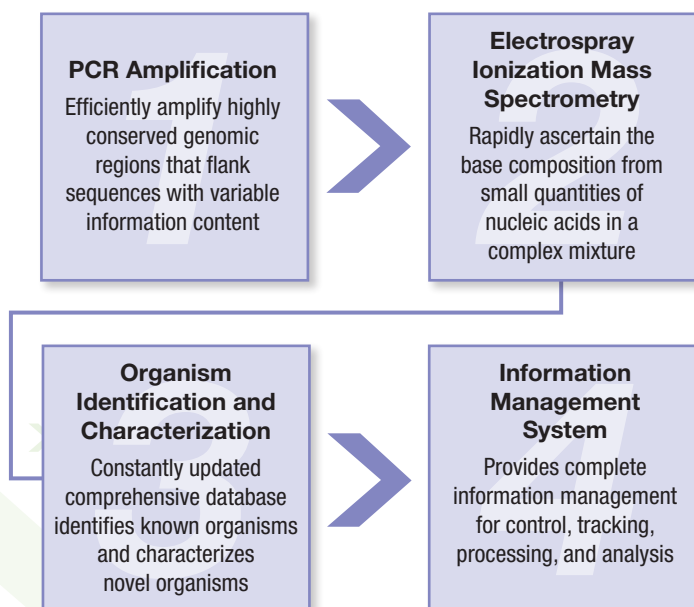
- Broad detection and identification of Bacteria
 - Designed to cover all groups of Bacteria, including intracellular organisms like Mycoplasma, Chlamydia, and Rickettsia
- Detection and identification of Candida species
- Reports the presence of several antibiotic resistance markers:
 - kpc-carbapenem resistance in Enterobacteriaceae
 - mec A-methicillin resistance in *Staphylococcus aureus*
 - van A-vancomycin resistance in *Enterococcus spp.*
 - van B-vancomycin resistance in *Enterococcus spp.*
- Characterization of simple mixtures of the targeted organisms

PLEX-ID BAC Detection

- Suitable for analysis of direct, de-identified research specimens
- Identification of unknown Bacteria or Candida for research purposes



Rapidly identify known and unknown organisms with PCR Assay and Electro Spray Ionization Mass Spectrometry



PLEX-ID Workflow

PLEX ID

Not For Use in Diagnostic Procedures.

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A Promise for Life

Coverage and Database

- The PLEX-ID database contains sequence information for more than 3,400 species of Bacteria and more than 40 species of Candida that can theoretically be detected and identified
- Detections will be reported as either a single species call or a small cluster of indistinguishable species
- Unknown detections with novel basecount signatures will be reported and linked to the closest known species in the database

Category	Coverage	Target
Bacteria	Broad Bacterial	16S rRNA
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	Broad Bacterial	23S rRNA
	Gram-positive: Bacteria	<i>rplB</i>
	Gram-positive: Staphylococcus speciation	<i>tufB</i>
	Gram-negative: Gamma Enterobacteria	<i>valS</i>
	Gram-negative: Gamma Proteobacteria	<i>rpoB</i>
	Gram-negative: Beta and Gamma Proteobacteria	<i>rpoB</i>
Antibiotic Resistance	Methicillin resistance	<i>mecA</i>
	Carbapenem resistance	<i>kpc</i>
	Vancomycin resistance	<i>vanA</i>
	Vancomycin resistance	<i>vanB</i>
Candida	Broad Candida	25S rRNA
	Broad Candida	25S rRNA
	Broad Candida	25S rRNA
	Broad Candida	mt SSU rRNA

To Order Product	Description	Catalog No.
PLEX-ID BAC Detection	10 plates (60 assays)	05N13-62

Ask differently.

For more information, please contact:

Abbott Molecular
www.abbottmolecular.com
 800.553.7042

PLEX ID

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