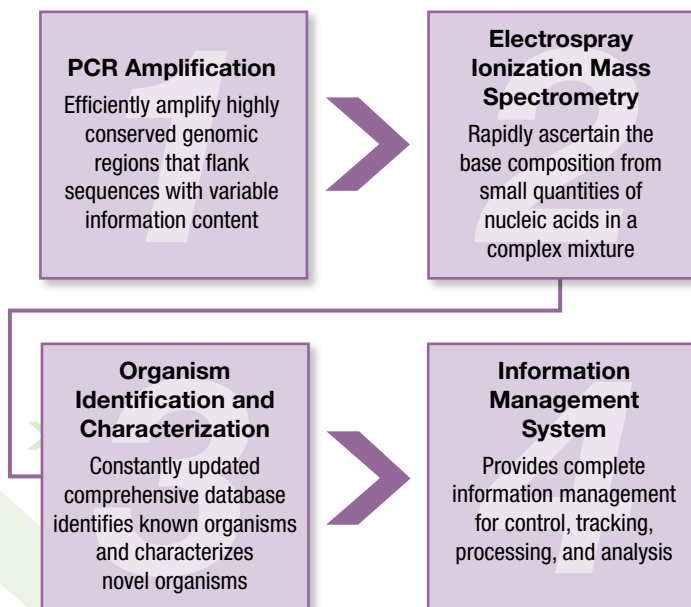


PLEX-ID Vector-Borne Organisms

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**



PLEX-ID Workflow

The PLEX-ID Vector-Borne Organisms assay detects and identifies a wide range of microorganisms that may be transmitted by ticks, mosquitoes, and other arthropod vectors.

Capabilities

- Detection and identification of many important vector-borne organisms
 - Bacteria: focusing on the Alphaproteobacteria (Rickettsia, Ehrlichia, Anaplasma, Bartonella) and Spirochaetes (Borrelia, Leptospira) classes
 - Viruses: members of the Flavivirus genus
 - Protozoa: members of the Babesia genus
 - Nematode: *Dirofilaria immitis* (canine heartworm)
- Characterization of mixtures of targeted organisms present within a sample
- Also designed to detect and identify endosymbionts from tick samples, which can be used to help identify species of tick

PLEX-ID Vector-Borne Organisms allows for analysis of direct specimens

- Appropriate specimens include field-collected ticks, skin biopsy, whole blood, mosquitoes, and isolates



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

PLEX ID

Not For Use in Diagnostic Procedures.

Abbott
A Promise for Life

Potential applications

- Characterization of tick-borne microorganisms from questing ticks
- Human and animal vaccine research studies
- Companion animal research studies
 - Sentinels for vector-borne microorganisms
- Antibiotic research treatment studies
 - Confirmation of research treatment response
- Epidemiology research studies

Coverage and Database

- The database for the PLEX-ID Vector-Borne Organisms assay contains sequence information for 68 species from the targeted groups
- Detections will be reported as either a single species call or a small cluster of closely related species that are indistinguishable by the assay
- Unknown detections with novel basecount signatures will be reported and linked to the closest known species in the database

Coverage	Targets
Alphaproteobacteria	rpoB, gItA
Francisella	asd
Rickettsia	rnpA
Spirochaetes	flagellin, gyrB, rpoC
Babesia	B-tubulin, 18S rRNA
Flaviviruses	RdRp (2 primer pairs)

To Order Product	Description	Catalog No.
PLEX-ID Vector-Borne Organisms	06N436-61	10 plates (120 assays)

Ask differently.

For more information, please contact:

Abbott Molecular
www.abbottmolecular.com
800.553.7042

PLEX ID

PLEX-ID and the Ibis logo are trademarks of Abbott Molecular Inc., and its Ibis Biosciences Inc., subsidiary. Any other trademarks and trade names contained herein are the property of their respective owners.
©2010 Abbott Molecular Inc. All rights reserved.

Abbott
Molecular

Not For Use in Diagnostic Procedures.