

PLEX-ID: Broad Microbial Identification with High Resolution Strain Typing using PCR Mass Spectrometry

Surveillance – Typing – Drug Resistance – Virulence
Bacteria – Viruses – Fungi

Greg Eppink
Abbott Molecular

PLEX-ID is a rapid molecular method for microbial identification designed for walk-up use by laboratory technicians. Using the IBIS workflow to desalt and determine the base composition “signatures” or post PCR amplicons and comparing them against a database of over 750,000 entries, PLEX-ID achieves:

- Broad identification of bacteria, viruses, fungi and protozoa.
- High resolution sub-typing direct from sample without the need to culture.
- Identify mixtures of microbes and sub-types.
- Up to 250 samples per day.
- First result in less than 6 hours from sample receipt.
- Additional results every 4 minutes.

Agenda:

10:30-11:30

IBIS Workflow
Kit Design
PLEX-ID Platform
Application Example

11:30-12:00

Question and Answer Session

PLEX ID
Rapid Bioidentification



MCI
*Topics in
Museum
Conservation*

September 15, 2010
10:30 – 12:00
Wednesday

MCI Theater

MUSEUM SUPPORT CENTER
4210 Silver Hill Road
Suitland, MD 20746
301-238-1240



Smithsonian
Museum Conservation Institute