New Test Offering at PADLS-New Bolton Center

Luminex Serotyping - Overview
The Luminex xMAP Salmonella Serotyping Assay (SSA) is a multiplex, nucleic acid-based assay for identifying the serotype of a *Salmonella* isolate. This assay, developed by the CDC for use in epidemiological investigations, is fast, accurate and comprehensive. O and H antigens are determined simultaneously and select serotype-specific markers are identified in the Additional Targets (AT) test. Median Fluorescent Intensity (MFI) values are used to determine positive and negative for each antigen. Positive antigens are cross-referenced to the White-Kauffamn-Le Minor scheme to determine serotype information.

Acceptable Samples
- Nutrient Agar Slants of a single isolated Salmonella colony are the preferred samples for submission.
- A pure culture isolation plate (e.g., XLD, Brilliant Green) of Salmonella species may also be submitted.

Sample Handling
Samples should be shipped according to IATA protocols for Category B Infectious Substances with the proper export/import permits. Refer to your courier’s shipping and packaging protocols for further information.

Cost
- Samples are routinely batched for an assay run. This cost is $40.00 per sample. Turnaround time is 14-21 days.
- For STAT run requests: $60.00 per sample and turnaround time is 48 hours.

Contact – Please contact the laboratory prior to sending samples.
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