

## RAPID MICROBIAL IDENTIFICATION AND CHARACTERIZATION

Pace Analytical Life Sciences (PLS): A leading provider of services for the rapid and highly specific identification of bacteria



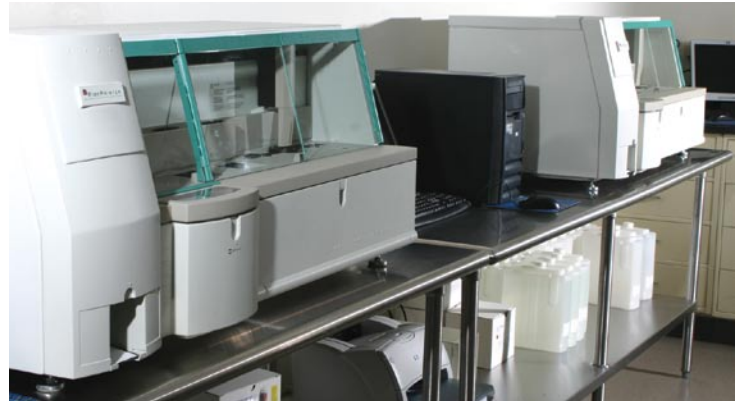
Pace Analytical Life Sciences (PLS) distinguishes itself by offering access to new, cutting-edge technologies. Our expertise in rapid microbiology techniques, especially bacterial identification and characterization via ribotyping, is state-of-the-art in the industry. Pace Analytical will partner with you to select the most appropriate technology, perform feasibility studies for your product and help navigate you through validation and FDA approval.

As part of the premier Rapid Microbiology service, PLS offers rapid, genetic-based identification of microbial isolates using the Dupont Qualicon RiboPrinter<sup>®</sup>. PLS invested in the RiboPrinter rapid-bacterial identification and characterization testing technology when the FDA suggested compliance guidelines for aseptic processing and high-speed bacterial identification and characterization testing. This service allows for accurate sub-species identification and characterization of bacteria in 8 hours, in comparison to conventional methods which can take from 5-14 days.

The [Aseptic Processing Guidance](#) stipulates that genus and species are no longer sufficient for identification needs. Ribotyping goes beyond genus and species by providing a genetic fingerprint of the bacterial genes that code for rRNA – thus providing an accurate, strain level identification.

### Applications

- Sterility Failures
- Environmental Monitoring
- Production QA / QC
- Clinical Trials Support
- Facility Bioburden Surveys
- Raw Material Testing
- Research and Development



### Advantages

- Results in 8 hours versus up to 14 days with conventional phenotypic methods
- Automated sample processing, data analysis and reporting increase accuracy and reproducibility by decreasing sample prep time, technique dependence and operator variability
- DNA-based, strain level results independent of environmental stresses, media and growth conditions
- Tracking and trending of results, using your site specific library, allows you to rapidly pinpoint contamination sources and take action before safety and quality are jeopardized
- Compliance with the Aseptic Processing Guidance



PLS operates a 40,000 square foot state-of-the-art facility located in the Minneapolis/St. Paul area. We are FDA registered, DEA registered, cGMP compliant and ISO/IES 17025 accredited.



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