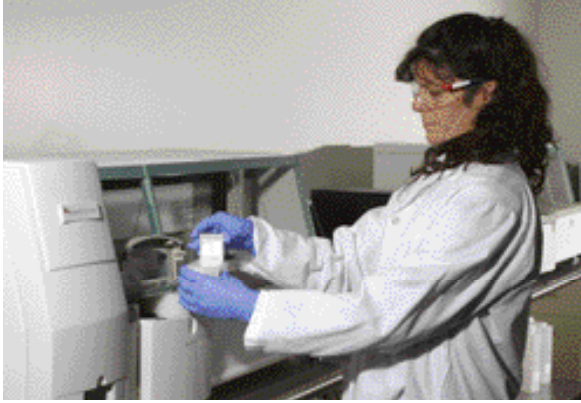


RAPID MICROBIAL IDENTIFICATION AND CHARACTERIZATION

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

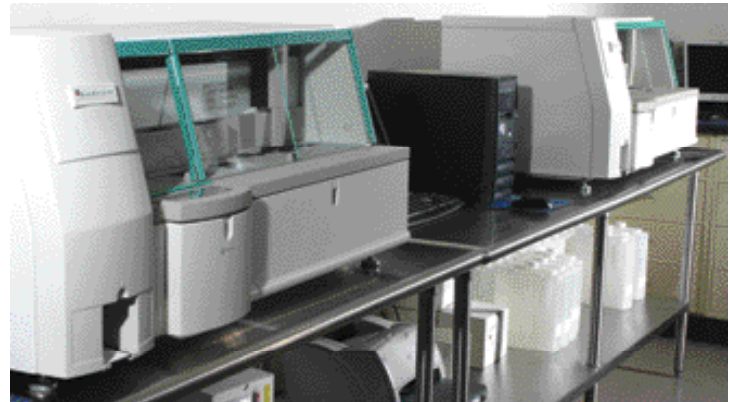


Pace Analytical Life Sciences (PLS) distinguishes itself by offering access to new, cutting-edge technologies. Our expertise in rapid microbiology techniques, especially bacterial identification and characterization via ribotyping, is state-of-the-art in the industry. Pace Analytical will partner with 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[®]. 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.

Pace Analytical performs automated bacterial identification and characterization at the sub-species level with speed and accuracy. Using the fully validated **RIBOPRINTER[®] microbial characterization systems** (DuPont Qualicon[™]) Pace Analytical can provide DNA-based results in as little as 8 hours. Downtime is further minimized with your site specific library, which tracks and trends results, so you can pinpoint contamination with ease and precision.

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 as little as 8 hours
- 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
- Compliance with the Aseptic Processing Guidance



Pace Analytical Life Sciences operates two state-of-the-art laboratories totaling over 60,000 square feet of laboratory space: one in Oakdale, MN; the other in San German, Puerto Rico. Our labs are cGMP-compliant, FDA established, DEA registered and ISO/IEC 17025:2005 accredited.

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