DiversiLab System:
Advanced Microbial Genotyping
DiversiLab System Overview

The DiversiLab Microbial Genotyping System

DiversiLab System Components

- Web-based Software with the Agilent 2100 bioanalyzer

DiversiLab Consumables

- rep-PCR DNA fingerprinting kits
- Microfluidics chips and reagent kits
## DiversiLab System Overview

**DiversiLab Microbial Typing Assays for Bacteria and Fungi**

- **Staphylococcus**
- **Enterococcus**
- **Acinetobacter**
- **Clostridium**
- **Salmonella**
- **Streptococcus**
- **Lactobacillus**
- **Neisseria**
- **Burkholderia**
- **Bordetella**
- **Archeae**

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<tr>
<th>Bacteria</th>
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<tr>
<td>Bacillus</td>
<td>Listeria</td>
<td>Aspergillus</td>
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<tr>
<td>Serratia</td>
<td>Enterobacter</td>
<td>Mold</td>
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<td>Yeast</td>
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<tr>
<td>Klebsiella</td>
<td>Stenotrophomonas</td>
<td>Bifidobacterium</td>
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*For Research Use Only – Not for Use in Diagnostic Procedures*  
*In Development*
The DiversiLab System employs the following simple steps to generate unique, reproducible fingerprints for each of your microbial samples.

**DNA Extraction:** Extract DNA from isolated cultures.

**rep-PCR Amplification:** Amplify samples using rep-PCR and the appropriate DiversiLab DNA Fingerprinting Kits.

**Detection:** Separate fragments via electrophoresis performed in a microfluidics DNA LabChip.

**Data Analysis:** Analyze data in real time with reports accessible via an individual secured website.
rep-PCR primers bind to many specific repetitive sequences interspersed throughout the genome.

How does Lab-on-a-chip microfluidics detection work?

Amplicon separation and detection using lab-on-a-chip microfluidics technology.

Virtual gel