



Technology Available for License

Selective Assay for Microorganisms Detects only Active Cells

Nucleic acid assay detects only active cells and eliminates false positives that come from detecting non-viable cells.

Viability Assay

Montana State University researchers have developed a method for distinguishing between live and dead bacteria. The method is compatible with established real-time PCR protocols and other nucleic acid-based diagnostics but overcomes the deficiencies of current molecular methods that cannot distinguish active from non-viable cells which can result in false positives.

Applications

- Food and water safety monitoring (screening for pathogens)
- Clinical diagnostics
- Bioterrorism assays
- Testing for sterility of pharmaceutical drugs/personal care products
- Research (e.g. microbial community analysis)

Benefits

- Eliminates false positives by detecting only the active cell portion of a microbial sample
- Compatible with established diagnostic molecular assays
- Applicable to a wide range of bacterial species
- Requires no specialized expertise

Technology Transfer and Development Status

This technology has a pending patent application and a publication is available.

Contact

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