



Which sample preparation protocol should I use for Mycoplasma detection?

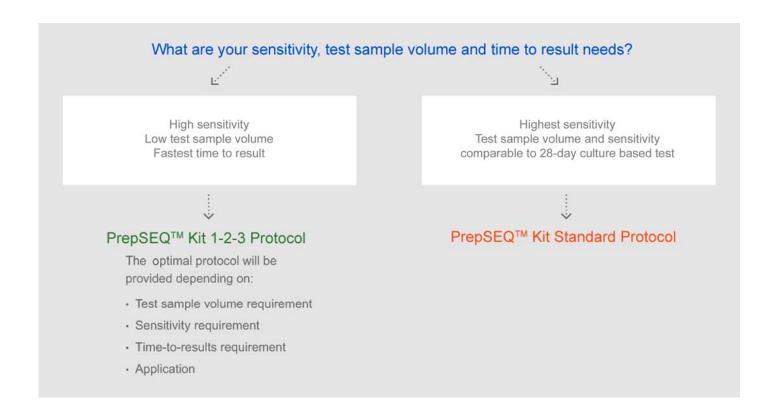
The decision on which PrepSEQ™ sample preparation protocol to use for Mycoplasma detection depends on sensitivity requirements, test sample volume available and desired time to result.

The MicroSEQ[®] Mycoplasma Detection System is the first integrated system that combines sample preparation and Real-Time, quantitative PCR assay for the detection of Mycoplasma in cell culture samples.

Included in the system is proprietary PrepSEQ™ Sample Preparation Kit with Module M, optimized for highly efficient

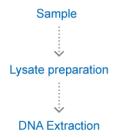
DNA recovery from complex matrices, including samples that have high cell densities, low cell viability, or large test sample volumes.

The PrepSEQ sample preparation kit uses magnetic beadbased separation technology to extract Mycoplasma DNA from test samples containing cultured cells. Samples that may be tested for the presence of Mycoplasma include research cell lines, bioassay cell lines, cell culture manufacturing samples (from inoculation to harvest), stem cell lines, cellular and tissue therapy samples. For the highest level of sensitivity, the standard protocol enables concentration of Mycoplasma from a large test sample volume into a sample volume compatible with PCR analysis.



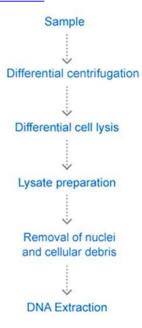
PrepSEQ[™] Kit 1-2-3 Protocol

In the PrepSEQ Kit 1-2-3 protocol, a rapid procedure recovers DNA from total lysate of the test sample. The optimal protocol will be developed, with the help of Applied Biosystems scientists, depending on specific requirements for test sample volume, sensitivity, and time-to-results, and by application.



PrepSEQ[™] Kit Standard Protocol

In the PrepSEQ Kit standard protocol, lysates of samples are prepared and cellular DNA are reduced before extraction of the Mycoplasma DNA. The lysates contain Mycoplasma DNA from the free organisms in the culture media and from the Mycoplasma DNA released from the infected host cells. For the specific protocol, refer to Protocol: PrepSEQ™ Mycoplasma Nucleic Acid Extraction Kit.



ORDERING INFORMATION

Description	Part Number	
MicroSEQ® Mycoplasma Detection System	4407876	
Includes PrepSEQ [™] Sample Preparation with Module M, MicroSEQ [®] Mycoplasma		
Real-Time qPCR assay. Protocol and Quick Reference Card included.		
MicroSEQ® Mycoplasma Detection System	4409732	
Includes PrepSEQ [™] Sample Preparation with Module M, MicroSEQ [®] Mycoplasma		
Real-Time qPCR assay. Protocol and Quick Reference Card not included.		
MicroSEQ® Mycoplasma Detection Assay	4399363	
Protocol and Quick Reference Card included.		
MicroSEQ® Mycoplasma Detection Assay	4384772	
Protocol and Quick Reference Card not included.		

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