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PrepSEQ™ 1-2-3 Mycoplasma Nu...



Applied Biosystems™

PrepSEQ™ 1-2-3 Mycoplasma Nucleic Acid Extraction Kit

The Applied Biosystems PrepSEQ 1-2-3 Nucleic Acid Extraction Kit rapidly extracts Mycoplasma genomic DNA from 100 µL sample volumes [Read more](#)

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Catalog number 4443789 ★

Price (EUR) / 100 reactions
1.072,00

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ThermoFisher
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The PrepSEQ 1-2-3 Mycoplasma Nucleic Acid Extraction Kit rapidly extracts Mycoplasma genomic DNA from 100 µL sample volumes of research cell lines, stem cell lines, and cell and tissue therapy samples. In the PrepSEQ 1-2-3 kit protocol, a rapid procedure recovers DNA from total lysate of the test sample using magnetic-bead based technology. The PrepSEQ 1-2-3 kit is optimized for use with the MycoSEQ Mycoplasma Detection Kit.

Features of the PrepSEQ 1-2-3 Nucleic Acid Extraction Kit include:

- High recovery of Mycoplasma genomic DNA from mammalian cell culture samples
- Rapid easy-to-use protocol with results in under 2 hours
- Compatible with the MycoSEQ Mycoplasma Detection assay
- Protocol available for automated sample preparation

High DNA recovery sample preparation

Optimized for use with the MycoSEQ Mycoplasma Detection Kit, the PrepSEQ 1-2-3 Nucleic Acid Extraction Kit uses proprietary magnetic bead-based separation technology to extract Mycoplasma DNA from mammalian cell lines. The PrepSEQ 1-2-3 kit extracts Mycoplasma genomic DNA from research cell lines, stem cell lines, and cellular and tissue therapy samples with high efficiency.

The protocol is recommended for use with a starting sample volume of 100 µL with a maximum cell density of 10^6 cells. The PrepSEQ 1-2-3 kit provides an easy to use procedure consisting of 1) RNase treatment, 2) proteinase treatment, and 3) DNA extraction using the magnetic bead technology (figure below).

The kit isolates Mycoplasma genomic DNA with high sensitivity from total lysate of test sample. The PrepSEQ 1-2-3 kit and the MycoSEQ kit allow routine screening of high-value cell lines using an easy, rapid and sensitive protocol. The figure below demonstrates how a sample that was spiked with low levels of Mycoplasma bovoculi DNA was found negative for Mycoplasma contamination using a commercially prepared kit. When using the PrepSEQ 1-2-3 kit and the MycoSeq kit, the correct positive call for Mycoplasma contamination was made.

For Research Use Only. Not for use in diagnostic procedures.

Specifications	
Isolation Technology	Magnetic Bead
Sample Type	Cell Culture Supernatants
Scale	Mini
Final Product Type	Genomic DNA
High-throughput Compatibility	High-throughput Compatible
No. of Reactions	100 Reactions
Product Line	PrepSEQ™
Quantity	100 reactions
Sample Volume	100 µL

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Unit Size	100 reactions
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Contents & Storage

Includes buffers, magnetic beads and enzymes for DNA extraction for Mycoplasma DNA extraction

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MycoSEQ™ Mycoplasma Detection Kit

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3.855,00 / 100 reactions

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PrepSEQ™ 1-2-3 Nucleic Acid Extraction Kit

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Product Information

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[Quick Reference: PrepSEQ™ Sample Preparation Kits \(English \)](#)

[User Guide: PrepSEQ Sample Preparation Kits - PrepSEQ 1-2-3 Nucleic Acid and Mycoplasma Nucleic Acid Extraction Kits](#)

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Frequently asked questions (FAQs)

What is the maximum sample volume that can be used when detecting Mycoplasma using the PrepSEQ Mycoplasma Nucleic Acid Extraction kit?

