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Applied Biosystems™

MycoSEQ™ Mycoplasma Detection Kits

The MycoSEQ Mycoplasma Detection Kit is a real-time mycoplasma PCR assay designed and validated to meet the requirements of European Pharmacopeia Chapter 2.6.7 for use as a nucleic acid amplification technique (NAT).

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Catalog Number	Product Type
4460623	Assay Kit
4460626	Assay Kit and Sample Preparation

Catalog number 4460623 ★

e (EUR) / 100 reactions

€ 855,00

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ThermoFisher
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Product Type:

Assay Kit

Product Overview

Figures

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FAQ

The MycoSEQ Mycoplasma Detection Kit is a real-time mycoplasma PCR assay designed and validated to meet the requirements of European Pharmacopeia Chapter 2.6.7 for use as a nucleic acid amplification technique (NAT). The PCR primers were designed for mycoplasma detection using a proprietary bioinformatics pipeline to detect >90 mycoplasma species with high specificity and no cross-reactivity to closely-related bacterial species. The assay's sensitivity has been demonstrated by internal and external validations to detect 10 CFU/mL or the genomic equivalent as recommended by regulatory guidance.

Features of the MycoSEQ Mycoplasma Detection Kit include:

- Easy to use, results in less than one day
- Includes a unique discriminatory positive control to differentiate a true positive result from a potential cross-contamination positive call
- Includes protocols for various methods, including lot release and in-process testing
- Live mycoplasma is not needed: MycoSEQ Mycoplasma Detection Kit does not contain any live mycoplasma and does not require use of live mycoplasma for validation
- Can be used with gDNA, inactivated mycoplasma, or live mycoplasma
- May be used as an alternative to the standard 28-day culture test
- Can be used in conjunction with culture-based methods by providing preliminary results while waiting for results from the 28-day test

The PrepSEQ nucleic acid extraction module included in MycoSEQ Mycoplasma Detection Kit, with PrepSEQ sample preparation (Cat. No. 4460626) offers a robust and easy workflow to overcome complex matrix challenges to ensure the required sensitivity. For other recommended sample prep options, see the Integrated workflow solution section.

Also available but not included with the detection kit: MycoSEQ gDNA kits (Cat. No. A49973 and A49976), containing purified genomic DNA from various mycoplasma species, may be used as positive test material during method development.

Integrated workflow solution

The MycoSEQ Mycoplasma Detection Kit is part of an integrated workflow for adventitious agent, impurity and contaminant testing during biopharmaceutical manufacturing. The entire workflow, including PrepSEQ Sample Preparation Kits together with qPCR analysis, can provide results in under 5 hours. (Please note complex matrices may require additional upfront processing steps, as described in various available protocols.)

MycoSEQ kit performance has been tested and confirmed on the Applied Biosystems 7500 Fast Real-Time PCR System and the Applied Biosystems QuantStudio 5 Real-Time PCR System. Data analysis using AccuSEQ Real-Time PCR Detection Software provides accurate quantitation and security, audit, and e-signature capabilities to help enable 21 CFR Pt 11 compliance.

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Mycoplasma Detection...
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Documents & Downloads

Certificates

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Safety Data Sheets



Product Information

Manuals



- [Quick Reference: MycoSEQ Mycoplasma Real-Time PCR Detection Kit](#)
- [User Guide: MycoSEQ Mycoplasma Real-Time PCR Detection Kit](#)

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User Guide: PrepSEQ Express Nucleic Acid Extraction Kit

[Quick Reference: PrepSEQ Express Nucleic Acid Extraction Kit](#)

[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](#)

Warranties

[Product Bulletin: MycoSEQ Mycoplasma Detection Assay](#)

Scientific Resources

Application Notes

[Application Note: MycoSEQ Mycoplasma Detection Assay: qPCR system compatibility and AccuSEQ software analysis](#)

[Application Note: MycoSEQ Mycoplasma Detection Assay : qPCR system compatibility and AccuSEQ software analysis](#)

[Applicaton Note: Simultaneous extraction of mycoplasma, mouse minute virus \(MMV\), and vesivirus nucleic acids from a single sample](#)

Reference Materials

[Product Bulletin: MycoSEQ Mycoplasma Detection Assay](#)

[Article: Setting Up a Rapid Mycoplasma Assay to Support Recombinant Protein Production](#)

Brochures

[Brochure: Equipment for GMP Quality Control Labs](#)

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Frequently asked questions (FAQs)

How can I remove mycoplasma contamination from my cell culture medium?

