

MycoTOOL Carrier DNA

For MycoTOOL PCR Mycoplasma Detection

For testing of non cellular sample materials

Cat. No. 05 619 424 001

 Version 04

Content version: September 2019

1. What this Product Does

Number of Tests

The kit is designed for testing 20 cell-free samples, 1 ml per sample, for the absence of mycoplasma. Use the kit in conjunction with the QC Sample Preparation Kit* for template preparation and the MycoTOOL Mycoplasma Detection Amplification Kit* or the MycoTOOL Mycoplasma Real-Time PCR Kit* for the PCR reaction.

Contents

The package contains 5 vials with 320 µl Carrier DNA. Each vial contains reagent for 4 template preparations (2 samples with control reaction).

Storage and Stability

When stored at +2 to +8°C, the vials are stable through the expiry date printed on the label. Once thawed don't freeze the vials again.

2. How to Use this Product

Sample Preparation

The following protocol describes sample preparation using the MycoTOOL Carrier DNA together with the QC Sample Preparation Kit*. Use the protocol to prepare DNA for 1 ml sample and 1 ml control in total. The sample and control will be run in duplicates of 2 separate preparations containing 450 µl each. The vials from the QC Sample Preparation Kit* are marked with #.

- 1 Arrange QC Sample Preparation Kit*.
- 2 Equilibrate thermomixer to +56°C.
- 3 Prepare 1 ml of sample (s) and 1 ml of control (c) material.
- 4 **Add 80 µl MycoTOOL Carrier DNA to each 1 ml of test material (s and c) and vortex for 5 s.**
- 5 • Prepare 4 empty vials (Reaction Vials 8# from the QC Sample Preparation Kit*) with 30 µl Proteinase K1 (Vial 1#) each.
• Label the vials accordingly: 2 for s and 2 for c (duplicates).
- 6 Add 450 µl of sample and 450 µl of control to the Reaction Vials.
- 7 Add 450 µl Lysis Buffer (Vial 2#) to each Reaction Vial.
- 8 Close the vials and vortex 3 times 5 seconds.
- 9 Incubate for 15 minutes at +56°C and 600 rpm in the thermomixer.
- 10 • Remove the Reaction Vials.
• Equilibrate thermomixer to +80°C.
- 11 • Add 630 µl Precipitation Reagent (Vial 3#) to each vial.
• Close the vials, invert 20 times, and vortex for 5 seconds.
- 12 • Centrifuge for 3 minutes at 16,000 × g.
• Decant supernatant without removing pellet.
- 13 Add 1 ml Washing Buffer (Vial 4#).

- 14 • Close the vials and invert 5 times.
• Immediately centrifuge for 3 minutes at 16,000 × g and carefully remove all the supernatant.
- 15 Briefly centrifuge for 3 seconds at 16,000 × g and carefully remove the residual supernatant.
- 16 Add 200 µl Dissolution Buffer (Vial 5#).
- 17 • Close the vials.
• Dissolve the pellet for 10 minutes at +80°C and 900 rpm in the thermomixer.
⌚ Depending on the sample material, it may be beneficial to extend the incubation time up to 30 minutes or vortex.
- 18 Vortex until the pellet is completely dissolved.
- 19 Transfer the vials to the template room.
⌚ The DNA preparation is stable for 3 days at -15°C to -20°C.

For additional information regarding template preparation refer to the Instructions for Use of the QC Sample Preparation Kit*.

For information regarding PCR reaction refer to the Instructions for Use of the MycoTOOL Mycoplasma Detection Amplification Kit* when using a PCR block cycler and to the Instructions for Use of the MycoTOOL Mycoplasma Real-Time PCR Kit* when using a real-time PCR instrument.

3. Supplementary Information

3.1 Conventions



Text Conventions

To make information consistent and understandable, the following text conventions are used in this document:

Text Convention	Use
Numbered stages labeled ①, ② etc.	Stages in a process that usually occur in the order listed.
Numbered instructions labeled 1, 2 etc.	Steps in a procedure that must be performed in the order listed.

Symbols

Symbols are used in this document to highlight important information:

Symbol	Description
	Information Note: Additional information about the current topic or procedure.
	Important Note: Information critical to the success of the procedure or use of the product.

3.2 Changes to previous version

Editorial changes.

Replacement of MycoTOOL Mycoplasma Detection, Prep Kit with QC Sample Preparation Kit.

3.3 Ordering Information

Product	Pack Size	Cat. No.
QC Sample Preparation Kit	1 Kit	08 146 829 001
MycoTOOL Mycoplasma Detection Amplification Kit	1 Kit	05 184 240 001
MycoTOOL Mycoplasma Real-Time PCR Kit	1 Kit	06 495 605 001

3.4 Trademarks

MYCOTOOL is a trademark of Roche.

All other product names and trademarks are the property of their respective owners.

3.5 Regulatory Disclaimer

For use in quality control/manufacturing process only.

For more information about this product, as well as documentation such as Instructions for Use and Material Safety Data Sheets, please visit custombiotech.roche.com

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