



Certificate of Analysis

PRODUCT: *TransDetect*[®] PCR Mycoplasma Detection Kit

CAT. NO.
FM311

AMOUNT
100 rxns

LOT NUMBER
N10816

SHELF LIFE
Two years

STORAGE CONDITIONS
At -20 °C for two years

SHIPPING CONDITIONS
Dry ice (-70 °C)

DESCRIPTION

TransDetect[®] PCR Mycoplasma Detection Kit is designed to detect the presence of mycoplasma contamination by PCR in biological materials, such as cell cultures or cell culture related materials. Highly specific primers have been designed to amplify a fragment of 16S rRNA coding DNA that is conserved across all commonly-known mycoplasma species. The kit includes an optimized supermix and primer, ultrapure water and positive control template. Using this kit, cell culture supernatants can be tested directly without DNA extraction. The kit provides a very easy to use, simple, fast (within 2 hours), specific and sensitive PCR-based mycoplasma detection method.

Feature and advantages

- High Sensitivity-Able to detect as low as 20 copies of mycoplasma genome.
- High Specificity-Only detect mycoplasma DNA, not eukaryotic and bacterial DNA.
- Simple and Easy to Use-Ready-to-use, optimized master mix and no need for DNA extraction.
- Positive and Negative Control-Ensure reliability and accuracy of the results.

PACKAGE CONTENTS

Component	FM311-01 (100 rxns)
<i>TransDetect</i> [®] PCR Myco SuperMix (2×)	1 ml
Myco Primer Mix	40 µl
Myco Positive Control Template	40 µl
MycoFree Water	1 ml

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QUALITY CONTROL DATA

Assay	Standard	Result
Appearance	The liquid should be clear and free of precipitates or floccules. The color is not significantly different from that of the control batch.	Meets standards
PCR Amplification	① 4-6 cell cultures with different degrees of mycoplasma contamination were detected using products from the batch to be tested and the control batch. The results are consistent.	Meets standards
	② Mycoplasma positive samples after serial dilutions were detected. The detection sensitivity of the batch to be tested is not lower than that of the control batch.	Meets standards
	③ The positive control template can be successfully amplified; the negative sample is not amplified.	Meets standards



Notice to Purchaser

All products are for research use only. Caution: Not intended for human or animal diagnostic or therapeutic uses. If you have any further questions about this Certificate of Analysis, please contact us at +86-10-57815027 or +86-400-898-0321.

TransGen Biotech products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of TransGen Biotech Co., Ltd.

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A handwritten signature in black ink that reads "Heng Zheng".

Manager, Quality Control Department

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