



# Certificate of Analysis

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**PRODUCT:** *TransDetect*<sup>®</sup> PCR Mycoplasma Detection Kit

**CAT. NO.**  
FM311

**AMOUNT**  
100 rxns

**LOT NUMBER**  
Q20926

**SHELF LIFE**  
at -20 °C for two years

**STORAGE CONDITIONS**  
at -20 °C for two years

**SHIPPING CONDITIONS**  
Dry ice (-70 °C)

## DESCRIPTION

*TransDetect*<sup>®</sup> 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.

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## QUALITY CONTROL DATA

Assay	Standard	Result
Appearance	The liquid of each component should be clear without sediment or floc, and the color should not be significantly different from the control batch.	Meets standards
PCR Amplification	Using 4-6 kinds of cell culture fluids with different degrees of Mycoplasma contamination as templates, the test results of the products to be tested are consistent with the control batches;	Meets standards
	After the mycoplasma-positive samples are serially diluted, the detection sensitivity of the product to be tested is not lower than that of the control batch;	Meets standards
	Positive control templates were successfully amplified; negative samples were not amplified.	Meets standards

# Notice to Purchaser



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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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TransGen Biotech Co., Ltd.  
Building No.4,  
ZhongguancunDongsheng  
International Science Park, No. 1  
North Yongtaizhuang Road, Haidian  
District, Beijing, China

Postcode: 100192

Tel: +86-10-57815027  
Fax: +86-10-57815000  
Customer Service: +86-400-898-0321  
Web site: [www.transgenbiotech.com](http://www.transgenbiotech.com)  
E-mail: [trans@transgen.com.cn](mailto:trans@transgen.com.cn)  
[info@transgenbiotech.com](mailto:info@transgenbiotech.com)

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

Manager, Quality Control Department

17/10/2022