

AIVD manufactures high-quality raw materials for the IVD industry and supplies necessary products to aid in the COVID-19 response.

Avid Biotech can provide a complete solution for SARS-Cov-2 detection, including components for nucleic acid extraction and fluorescent quantitative PCR.

Product Name	Description	Volume	Cat#
Viral DNA / RNA Extraction Kit	Viral Total Nucleic Acid Purification Kit	50T	EE001
Viral RNA Extraction Kit	Viral RNA Purification Kit	50T	EE002
Probe AB Taq One Step RT-qPCR Mix	The kit combines everything you need in one tube. Just add the primers and probe to prepare the solution. (25ul reaction system)	200T	MX005
Probe AB Taq One-Step RT-qPCR Pre-Mix	The reaction solution and the mixed enzyme solution are divided into 2 tubes. (25ul reaction system)	200T	MX006
AB HS Taq DNA Polymerase	Antibody modified hot started Taq DNA polymerase, heat shock 1-3min	5000U	EN003
M-MLV reverse transcriptase	Reverse transcriptase	20000U	EN006
RT-PCR Enzyme mix	Mixed solution containing M-MLV and AB HS Taq enzymes	100T	MH001
RNase Inhibitor	RNase inhibitor	4000U	EN008
Taq DNA Polymerase antibody		1ml	AT001

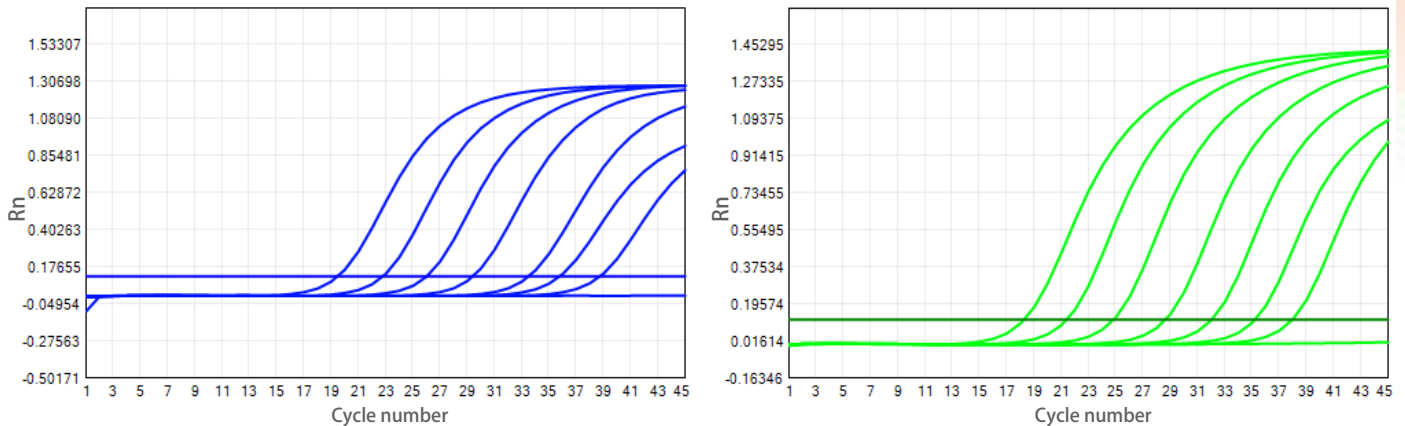
1. Probe AB Taq One Step RT-qPCR Mix (Cat#: MX005)

The kit combines everything you need in one tube for rapid one-step RT- qPCR. Just add the primers and probe to configure the new coronavirus nucleic acid detection kit.

The Mix possess a great anti-interference ability.

Mix contains UNG (Uracil-DNA Glycosylase), which helps to prevent from generating false positive results.

Configuration of SARS-CoV-2 Nucleic Acid Diagnosis Kit using MX005. Testing result of SARS-CoV-2 Positive Standard.



Amplified genes: ORF1ab, N gene

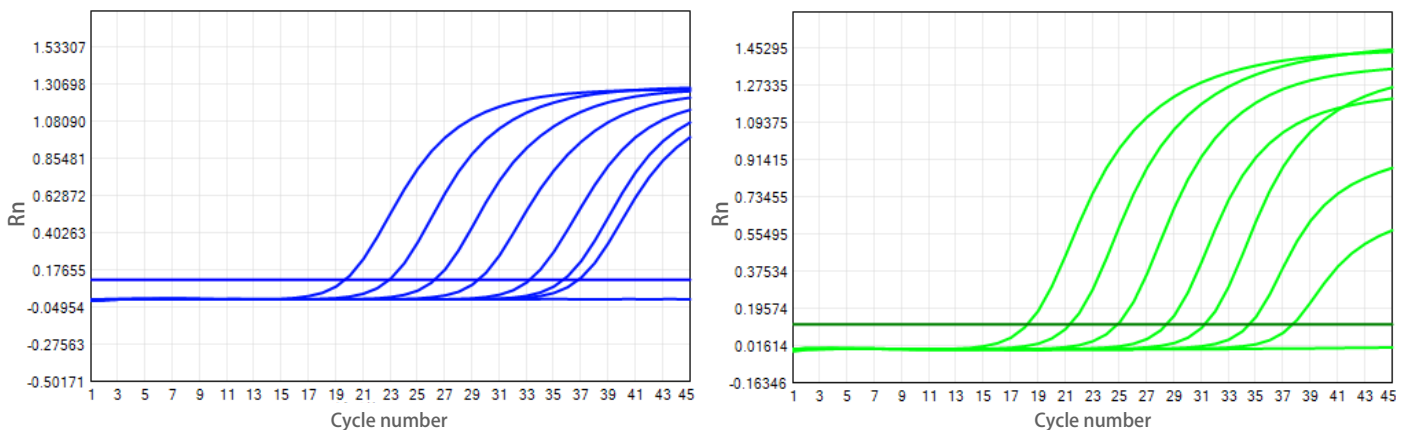
Amplification copy number: 10-fold gradient concentration 1×10^1 - 4×10^8 copies/ml.

Following MX005 protocol's recommendations for reaction system and conditions, 100 copies of the double gene of the SARS-CoV-2 Standard could be stably detected.

2. RT-PCR Enzyme Mix (Cat#: MH001)

A mixed solution containing M-MLV and AB HS Taq enzymes. RT-PCR Enzyme Mix has the characteristics of good stability, high amplification efficiency and good amplification specificity.

Configuration of SARS-CoV-2 Nucleic Acid Diagnosis Kit using RT-PCR Enzyme Mix and AIVD's RT-PCR buffer. Testing result of SARS-CoV-2 Positive Standard.



Amplified genes: ORF1ab, N gene

Amplification copy number: 10-fold gradient concentration 1×10^1 - 4×10^8 copies/ml.