

DSPaTM 4X One-Step Multiplex Master Mix

Description

The DSPaTM 4X One-Step Multiplex Master Mix is used to perform one-step multiplex real-time PCR applications with any gene-specific primer and probe sets, and is suitable for both RNA and DNA targets. This master mix is formulated with optimized buffer components to accommodate multiplex amplification of up to four RNA or DNA target sequences in a single reaction. The master mix is supplied at a 4X concentration that allows to input more sample into each reaction, increasing sensitivity even in low-volume reactions.



We offer 4 formulations of this master mix, which have different buffers to meet amplification requirements of different primers:

- DSPaTM 4X One-Step Multiplex Master Mix
- DSPaTM 4X One-Step Multiplex Master MixB
- DSPaTM 4X One-Step Multiplex Master MixC
- DSPaTM 4X One-Step Multiplex Master MixD

The performance is comparable to the international well-known brand T, and avoids the problem that the solution of T is viscous, difficult to pipette, and cannot be quickly and accurately sampled in large-scale rapid detection. The viscosity of the DSPaTM master mix is optimized for accurate pipetting.

Features

- Robust one-step, all-in-one master mix system for easy reaction assembly
- Detect multiple targets in one reaction
- High sensitivity to detect low-copy targets
- Tolerance of inhibitors commonly found in clinical samples
- Eliminates the risk of cross contamination associated with two-step RT-qPCR protocols

Easy to use

Simply add primers, probes, and RNA/DNA templates for rapid reactions.



Figure 1. One-Step RT-qPCR workflow using DSPaTM 4X One-Step Multiplex Master Mix

Comparable to first-line brands

Compare with 6 different brands of similar products to detect samples containing the SARS-CoV-2 simulated sample at low or high concentrations, DSPath™ 4X One-Step Multiplex Master Mix has excellent detection rate and accuracy for all 3 targets simultaneously.

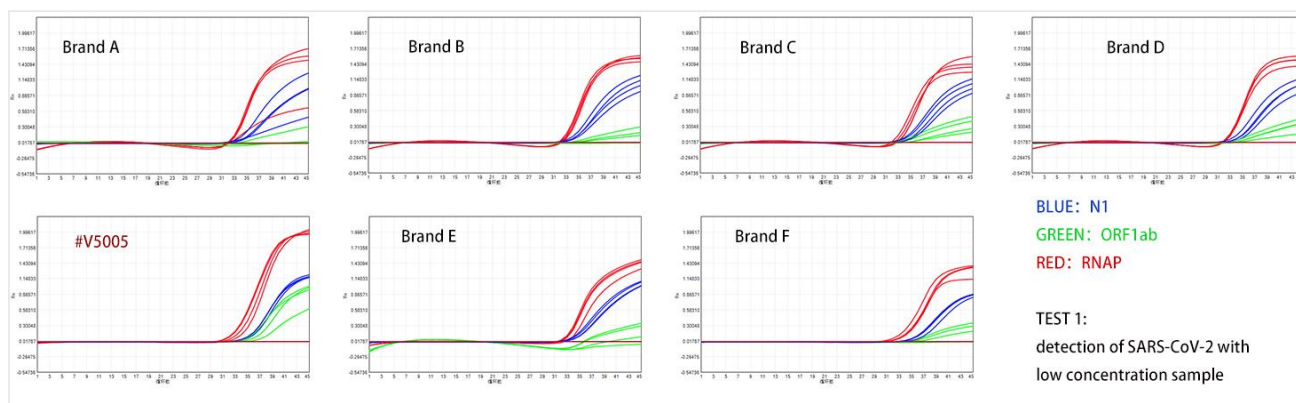


Figure 2. detection of low SARS-CoV-2 sample

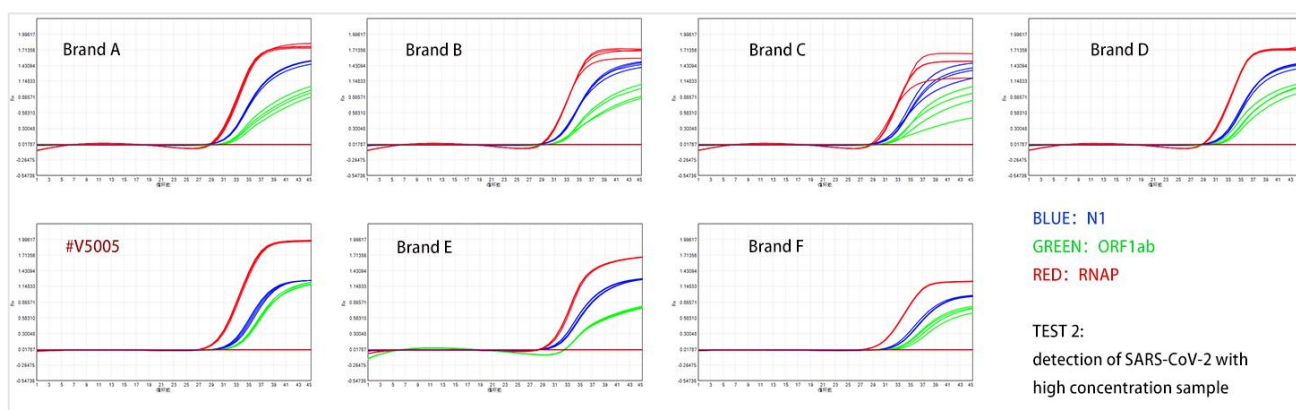


Figure 3. detection of high SARS-CoV-2 sample

Stable performance

DSPath™ 4X One-Step Multiplex Master Mix is very stable, and you can get the benefit from high stability: keep the master mix in the refrigerator for up to 4 weeks and profit from a quick setup without thawing first.

The stability test of DSPath™ 4X One-Step

Multiplex Master Mix/MixB/MixC/MixD was performed at 37°C for 8 days by detecting four targets of SARS-CoV-2. The amplification efficiency of the four products did not change significantly, which means all of them could maintain high stability, and are easy to be transported and stored for a long time.



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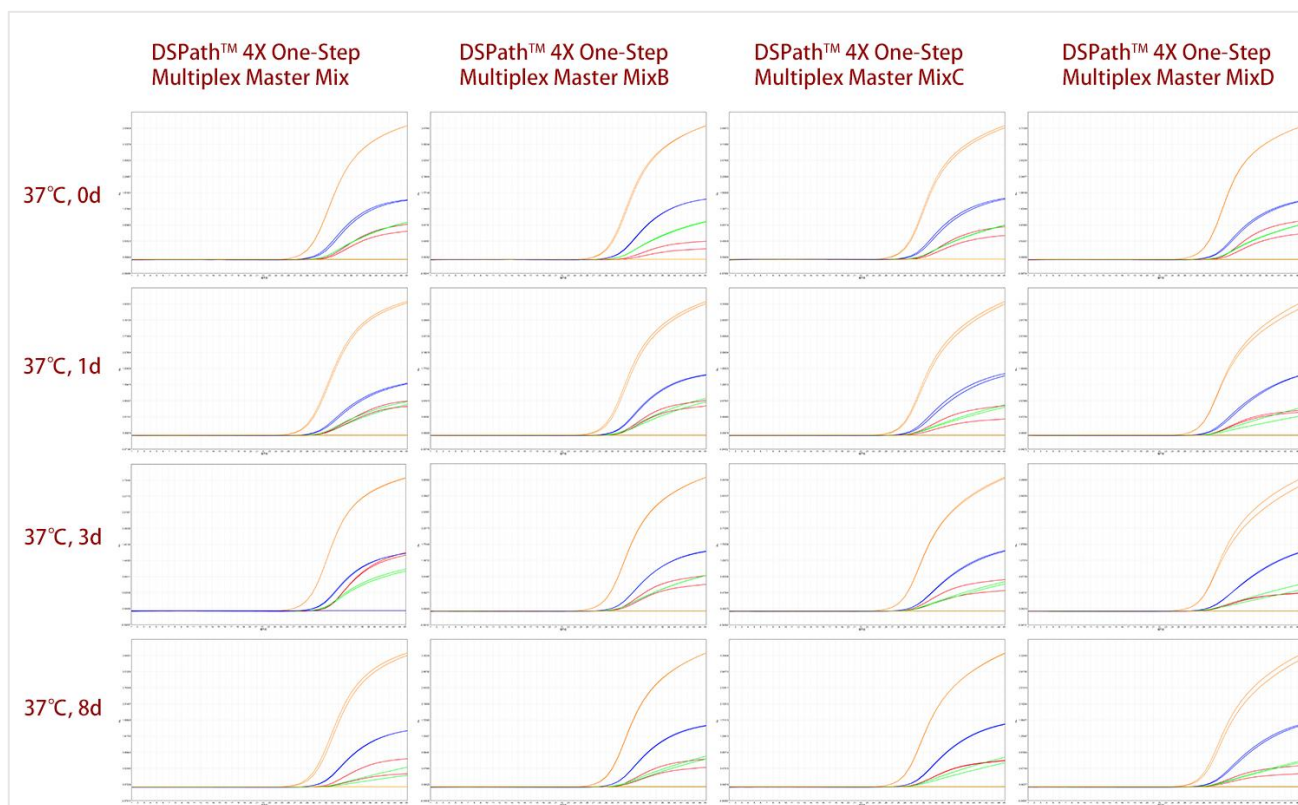


Figure 4. amplification curve of stability test of DSPath™ 4X One-Step Multiplex Master Mix/MixB/MixC/MixD

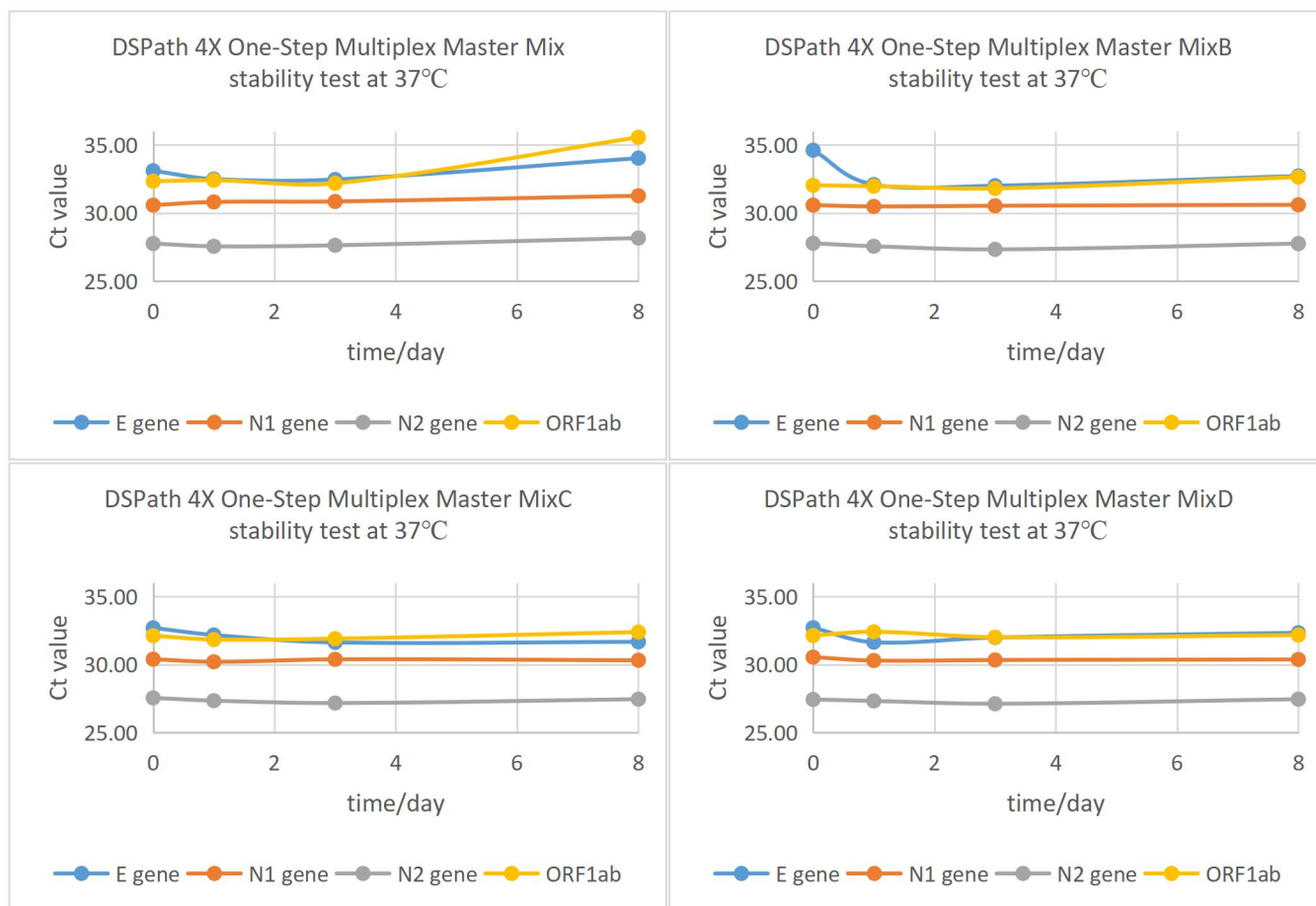


Figure 5. Ct value of stability test of DSPath™ 4X One-Step Multiplex Master Mix/MixB/MixC/MixD

Ordering Information

Product Name	Cat. No.	Spec.	Quantity
DSPath™ 4X One-Step Multiplex Master Mix	V5005	200 rxns	1 mL × 1
	V5006	5000 rxns	25 mL × 1
DSPath™ 4X One-Step Multiplex Master MixB	V5005B	200 rxns	1 mL × 1
	V5006B	5000 rxns	25 mL × 1
DSPath™ 4X One-Step Multiplex Master MixC	V5005C	200 rxns	1 mL × 1
	V5006C	5000 rxns	25 mL × 1
DSPath™ 4X One-Step Multiplex Master MixD	V5005D	200 rxns	1 mL × 1
	V5006D	5000 rxns	25 mL × 1

Company profile



Founded in 2005, located in the Science City of Guangzhou, China, Guangzhou Dongsheng Biotech Co., Ltd (GDSBio) is a high-tech enterprise focusing on R&D, production and sales of high-quality life science products and in vitro diagnostic reagents.

GDSBio has a complete product line. With PCR technology as the core, focusing on molecular biology techniques such as ordinary PCR, fluorescence quantitative PCR, NGS library preparation, nucleic acid electrophoresis, nucleic acid purification, etc.

It has developed reagents for molecular biology research and diagnosis, and completed the layout of the whole industrial chain from molecular biology reagents, medical lab supplies to specialized services.

Supply Mode: retail/bulk/custom/OEM

With strict and perfect standards, we focus on each product to ensure that every product delivered is in perfect condition.

We provide professional and comprehensive diagnostic and medical test solutions. And we work with clinical experts to continuously improve technology in practice so as to provide more accurate test data for clinical

diagnosis.

Since 2010, when GDSBio was certified with ISO9001 and ISO13485 standards in sequence, it has opened up overseas markets. Over the past 18 years, our customers have spread all over the world. With stable and excellent quality, the products have won a large number of loyal customers.

GDSBio's international resource links and multi-dimensional biological research methods help it stand at the forefront of the industry. To interpret the world with high-end technology, insight into the biological mystery.

