

Product Components

Components	Component	Size-1	Size-2
	Number	40 RXN (50 µL/RXN)	200 RXN (50 µL/RXN)
PCR Enhancer for Microbiome	RM20198	200 µL	1 mL

Product Description

For certain difficult samples that cannot be effectively amplified or generate non-specific amplification products, using RK20725 PCR Enhancer for Microbiome with RK20720 TruePol 2X PCR Mix for Microbiome improve the specificity and success rate of amplification.

RK20720 Truepol 2X PCR Mix for Microbiome is suitable for amplification of general and complex sample source templates, such as human tissue samples, soil samples, fecal samples, air filter membrane samples, sand samples, etc.

Storage

-20°C, protected from light

Operation Description

For difficult samples

Recommended Reaction Mix:

Component	50 µL Reaction	Final Concentration
Truepol 2X PCR Mix for Microbiome	25 µL	1X
Forward Primer (10 µM)	2-3 µL	0.4-0.6 µM
Reverse Primer (10 µM)	2-3 µL	0.4-0.6 µM
PCR Enhancer for Microbiome	2.5-5 µL	/
DNA Template*	1-4 µL	/
Nuclease-free Water	to 50 µL	N/A

* Note: A stock solution or dilution of the DNA obtained by the kit.

Recommended PCR Program:

Step	Temp	Time	Cycles
Initial Denaturation	98°C	45 s	1
Denaturation	98°C	10 s	} 28-30
Annealing	55°C	60-90 s	
Extension	72°C	30 s/kb	
Final Extension	72°C	5 min	1
Hold	4-12°C	∞	1

Notes

1. When to use PCR Enhancer for Microbiome

PCR Enhancer for Microbiome can help improve amplification specificity and success rate when user deals with difficult samples. Amplification of common samples does not require it, which may result in a decreased PCR yield.

2. Storage

Store at -20°C and protected from light to prevent reagent damage and deterioration. At the same time, repeated freeze-thaw should be avoided, otherwise it will directly lead to abnormal product performance.

3. Input volume

The input volume of PCR Enhancer for Microbiome should not exceed 10% of the volume of the entire reaction system. For example, for a 50 μ L reaction system, the input amount does not exceed 5 μ L, and according to the available test results, 2.5 μ L is the best.