Product Manual

Product Name	2×Blood Direct TaqMan qPCR Mix
Catalog Number	CSB-DKT067
Physical Form	Liquid
Storage Conditions	-20 ±5°C, avoid repeated freeze-thaw cycles; can be stored at 2~8°C in the dark for frequent use.
Shipping Condition	≤0°C; dry ice transportation
Product Composition	Buffer system, dNTPs, Taq enzyme resistant to whole blood
Quality Control	All components have been tested and found to be free of nucleases and RNase residue
Shelf Life	12 months

Product Description

2×Blood Direct TaqMan qPCR Mix is a blood direct amplification fluorescence quantitative reagent kit that uses the company's next-generation Taq enzyme resistant to whole blood. This premix has strong blood inhibition resistance and can directly perform fluorescence quantitative experiments using blood dilution solution as a template. The buffer has been specially optimized for blood templates and contains the necessary ions and dNTPs for amplification, without the need for additional additives.

Product Components

Component No.	Component Name	Specification (50T)	Specification (100T)	Specification (500T)
1	2×Blood Direct qPCR Mix	0.5mL	1mL	5mL
2	Blood Direct Taq Mix	25μL	50μL	250μL

Operating Instructions

Recommended Reaction System

Components	Additions
ddH2O	Up to 20 μL
2×Blood Direct qPCR Mix	10 μL
Upstream Primer(10μM)	0.4μL
Downstream Primer(10μM)	0.4μL
Fluorescence Probe(10μM)	0.2μL
Blood Direct Taq Mix	0.5μL
Template DNA	1 μL

【Note】:

a. Primer Concentration: Generally, a primer final concentration of 0.2uM in the reaction system can achieve good results. If the reaction performance is poor, the primer concentration can be adjusted within the range of 0.1uM-1.0uM.

b. Template Concentration: Dilute the blood with water, recommended 30-fold dilution. The specific dilution factor can also be adjusted according to the experimental situation; adjust the template volume within the range of 1-3 μL.

Recommended PCR Reaction Program

Temperature	Time	Cycles
95°C	5 min	1
95°C	10 sec	40-45

60°C	30 sec*	

【Note】:

c. Annealing temperature needs to be adjusted based on the primer's Tm value. Generally, setting it 3-5℃ lower than the primer's Tm value is sufficient. *Collect fluorescence.