

Cytomegalovirus PCR Detection Kit

REF PK3001



50 TESTS



RUO



Wet Ice

Components

Contents	Amounts
CMV PCR MIX	750µl
Positive Control	50µl
DNase Free, Deionized Sterile Water	1ml

Description

This kit designed for qualitative detection of human sample by the method of polymerase chain reaction.



DNA Extraction

According to the usual protocols, DNA is extracted from the sample.

PCR Protocol

1. Take out the kit and unfreeze the tubes, then put all the tubes on ice. Before opening tubes vortex and spin them. The final volume of each reaction will be 25µl.
2. Label new (0.2 or 0.5ml) tubes for amplification reaction(s) for test(s), positive and negative control.
3. Add the following reagents for each tube on ice:

CMV PCR MIX **14.5µl**

DNase Free, Deionized Sterile Water **5.5µl**

4. Mix the mixture thoroughly by shaking and spin.
5. To each tube add one-drop (20-25µl) mineral oil (optional).
6. Add 5µl DNA*(Use specified pipette for sampling of DNA).
7. Close tubes; spin the mixtures on microfuge for 3-5sec.



8. Transfer the tubes to preheated thermocycler and start the program:

Cycling parameters
95°C - 180sec
62°C - 40sec
72°C - 40sec
1 cycle
93°C - 40sec
61°C - 40sec
72°C - 40sec
35 cycles

Analyze 6µl of amplified samples directly in a 2% agarose gel without adding loading buffer. The presence of 222bp fragments indicates positive test.

notice

1.To avoid contamination all reagents must be taken with separate clean tips

Signs

Signs	Definitions
	Temperature range on product use
	Product end of life detection information
	For Research Use Only
	Instructions for using the product
	Product serial number
	Name and address of the manufacturer of the product
	Product technical code
	Product shipping conditions



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