

Helicobacter Pylori PCR Detection kit

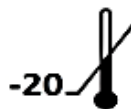
REF PK3011



20 TESTS



Wet Ice



Components

Contents	Amounts
Master Mix	400µl
Taq DNA Polymerase	4µl
Positive DNA Control	40µl
DNase Free Deionized Water	1000µl

Description

Helicobacter pylori PCR Detection kit is designed for qualitative detection of Helicobacter pylori DNA in culture or human gastric biopsy by the method of Polymerase Chain Reaction. The reagent of ready to use mix is an optimized Master Mix of PCR buffer, MgCl₂, dNTPs and specific primers.

A. DNA Extraction

DNA of samples can be extracted by SinaClon DNA Extraction Kits: DNP™ (Cat. No.: EX6071) or SinaPure™ (Cat. No.: EX6011).

B. PCR Protocol

1. Take out the kit and let it to be thawed on ice.
2. Label the PCR tubes as **positive**, **negative** control and **test** (Patient sample).
3. Add 19.8µl Master Mix to each tube on ice (Mix & spin before use).
4. Add 0.2µl Taq DNA Polymerase to each tube on ice.
5. Close the reaction tubes and place on tray or in a resealable plastic bag and seal the bag securely. Transfer tubes to Extraction Area.
6. Add 5µl DNA (Use specified pipette for sampling of DNA) to each patient's sample tube and 5µl Positive DNA Control to **positive** tube and DNase Free Deionized Water to **negative** tube (The final volume of each reaction will be 25µl).

7. Close the tubes, spin the mixture on microfuge 3-5 sec and transfer the tubes to preheated thermocycler and start the following program:

Cycling parameters	
First	Then
94°C - 45 Sec	94°C - 20 Sec
50°C - 20 Sec	50°C - 20 Sec
72°C - 30 Sec	72°C - 30 Sec
5 cycle	30 cycles






Cycling parameters may need to be setup with some Thermocyclers.

C. Result Analysis

Analyze amplified fragments by loading of 10µl PCR product on 1% agarose gel directly without adding loading buffer. The presence of 492bp fragments indicates positive test.

For gel electrophoresis use of **100bp DNA Ladder** (Cat. No: SL7031) is recommended.

Signs

Signs	Definitions
	Temperature range on product use
	For Research Use Only
	Name and address of the manufacturer of the product
	Product technical code
	Product shipping conditions




شکایات مشتری

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