SuTaq HS DNA Polymerase

Catalog No	Size
• PCR01A0351	500 Units
• PCR01A0352	1000 Units
• PCR01A0353	5000 Units

INSTRUCTIONS FOR USE

1. PRODUCT NAME

SuTaq HS DNA Polymerase

Cat No : PCR01A0351, PCR01A0352 and PCR01A0353
Size : 500 Units, 1000 Units and 10000 Units

2. MANUFACTURER

SuGenomik Biyoteknoloji, METU Technopolis, Yenimahalle, Ankara.

3. INTENDED USE

SuTaq HS DNA Polymerase thermostable Taq DNA polymerase you need for robust PCR amplification in a convenient, component-flexible format. It was optimized for broad range PCR applications. It includes a thermostable HotStart Taq DNA polymerase, and 10x PCR buffer.

4. KIT CONTENT

Content	Volume
SuTaq HS DNA Polymerase	500 µl, 1 ml and 5 ml (5 U/ µl)
10x SuTaq PCR Buffer	1 ml, 5 ml and 10 ml
Nuclease-free water	1 ml, 5 ml and 10 ml

5. STORAGE CONDITIONS

Store at -20±5°C away from light for 12 months.

6. REACTION SETUP

- It is recommended that thaw the components and mix thoroughly but gently to ensure even distribution of the components.
- Put the specimen's DNA on the PCR tubes or multi-well plate.
- For negative control sample do not add DNA please use nuclease-free water.
- Keep plate or PCR tubes on ice during reaction set up.

Components	Volume
10x SuTaq HS PCR Buffer	25 µl
dNTP Mix (2.5 mM each)	1 µl
Forward primer (10 µM)	1 µl
Reverse primer (10 µM)	1 µl
SuTaq HS DNA Polymerase (5 U/µl)	0.2 µl
Sample DNA (max 10 µl)	2 µl
Nuclease-free water	X to complete 50 µl
TOTAL Volume	50 µl

7. RECOMMENDED PCR PROTOCOL

Steps	Temp.	Time	Cycles
HotStart Activation	95 ℃	5 min	1
Amplification	95 ℃	30 sec	30-35
	50-60 ℃	30 sec	
	72 ℃	30 sec (1 min / kb)	
Final extension	72 ℃	2 min	1

8. EVALUATIONS of RESULTS

Analyze the amplification of the samples in gel electrophoresis, positive and negative controls for any band observed. If the amplicon band is observed in Positive Control but doesn't in Negative Control, amplification reaction was completed properly. If any other situation occurs, however, amplification reaction may be proceeding in a wrong way. In such a case, re-test the samples from reagent preparation or check the primer design.

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