

Ver.23071

2X Multiplex PCR Smart Mix (w/o dye)

Cat.No.: OMP01-M

Description: 2X Multiplex PCR is designed to amplify multiple targets from single template in single PCR tube using *h-Taq* DNA polymerase, chemically modified Hot Start enzyme. *h-Taq* DNA polymerase is useful for multiplex PCR, genotyping, microsatellite due to its high specificity. Recommended for amplifying less than 1kb PCR product.

Product contents:

- 1) 2X Multiplex PCR Smart Mix

Storage: –20°C

Expiration date: 1 year and 6 months under proper storage condition.

Recommended PCR mixture and cycling condition

PCR mixture (Reaction vol. 50μL)		Cycle		
2X Multiples PCR Smart Mix	25μL	95°C	15 min	×1
Forward primer (10pmol/μL)	2μL	95°C	20 sec	} ×35-40
Reverse primer (10pmol/μL)	2μL	AT	40 sec	
Template DNA (<300ng)	-μL	72°C	1 min/kb	
Add D.W to	50μL	72°C	5 min	×1

- The template, extension time, annealing temperature, and the number of PCR cycles may be modified according to the target size, primer's T_m , and the type of templates for amplification.
- General extension time is 1minute per 1kb.
- Repeated freeze-thaw cycle may reduce the yield of PCR amplification.