

Ver.23.04

## Taq PCR Smart Mix (2X) (without dye)

Cat.No.: OET01-M

**Description:** *Taq* PCR Smart Mix (2X) is a proprietary mix of *Taq* DNA polymerase, Buffer, dNTPs and  $MgCl_2$  for easy and convenient use. The product is recommended to use amplification less than 5kb PCR product.

### Product contents:

- 1) *Taq* PCR Smart Mix (2X) (without dye)

### Storage

- Store at  $-20^{\circ}C$ .

### Recommended PCR mixture and cycling condition

PCR mixture (Reaction vol. 50 $\mu$ L)		Cycle		
<i>Taq</i> PCR Smart Mix (2X)	25 $\mu$ L	95 $^{\circ}C$	2 min	$\times 1$
Forward primer (10pmol/ $\mu$ L)	2 $\mu$ L	95 $^{\circ}C$	20 sec	} $\times 35-40$
Reverse primer (10pmol/ $\mu$ L)	2 $\mu$ L	AT	40 sec	
Template DNA (<200ng)	- $\mu$ L	72 $^{\circ}C$	1 min/kb	
Add D.W to	50 $\mu$ L	72 $^{\circ}C$	5 min	$\times 1$

- Modifications on the amount of template, extension time, annealing temperature, and the number of PCR cycles can be done according to the target size, primer's  $T_m$ , and the type of templates for amplification.