

Ver: 23081

## Carmine *Taq* PCR Master Mix

Cat.No.: OET02

**Description:** Carmine *Taq* PCR Master Mix is a 2X concentrated solution consisting of *Taq* DNA polymerase, Buffer, dNTPs and MgCl<sub>2</sub> for easy and convenient use. The product is recommended to be used for amplification up to 5kb PCR product.

The inert tracer dye enables the PCR product to be loaded directly on to an agarose gel. The inert tracer dye migrates approximately at 125 base pairs in a 1% agarose gel run in 1X TBE buffer.

### Storage

- Short-term storage (less than 3 months: 2°C to 8°C)
- Long-term storage (more than 6 months: -20°C)

### Recommended PCR mixture and cycling condition

PCR mixture (Reaction vol. 50μL)		Cycle		
Carmine <i>Taq</i> PCR Master Mix	25μL	95°C	2 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

### Notes:

- The inert tracer dye migrates approximately at 125 base pairs in a 1% agarose gel run in 1X TBE buffer. Kindly, stop the electrophoresis when the tracer dye reaches three fourth of the gel.
- The amount of template, extension time, annealing temperature, and the number of PCR cycles can be modified according to the target size, primer's T<sub>m</sub>, and the type of templates for amplification.