

Ver: 24061

Carmine-Max *Taq* PCR Master Mix

Cat.No.: OET05

Description: Carmine-Max *Taq* PCR Master Mix is a 2X concentrated PCR premix solution consisting of *Taq* DNA polymerase, dNTPs, MgCl₂ and an optimized buffer system. This unique buffer facilitates the amplification of specific difficult PCR products. Only primers and template DNA need to be added to set up PCR. The ready to use mix format minimizes pipetting errors and also provides greater convenience. The product is recommended to be used for amplification up to 5kb PCR product. This mix is specially formulated for genetic diversity assays like SCoT, RAPD, ISSR and SSR.

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

Storage

- Long-term storage (more than 6 months: –20°C)

Recommended PCR mixture and cycling condition

PCR mixture (Reaction vol. 50µL)		Cycle		
Carmine-Max <i>Taq</i> PCR Master Mix	25µL	94°C	3 min	×1
Primer (10pmol/µL)	4µL	94°C	1 min	} ×34-40
Template DNA (<100ng)	-µL	52°C	1 min	
Add D.W to	50µL	72°C	2 min/kb	
		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_m, and the type of templates for amplification.