

CamTaq®2X Mastermix Clear is a formulation of CamTaq® DNA Polymerase that offers a convenient and ready-to-load solution. The mastermix already contains polymerase, buffer and dNTPs at an optimized concentration, all you need to add is your template and primers. This leads to increased consistency between your results and saves time in the reaction setup.

The mastermix contains MgCl₂ at a concentration that results in a final concentration of 1.5 mM in the 1X reaction.

Biological Source

CamTaq® DNA Polymerase is recombinantly produced in bacteria.

Enzyme Concentration

1 U / 50 µl reaction

Storage Conditions

Storage conditions are stated on the product labels.

Unit Definition

One unit is defined as the amount of enzyme required to catalyze the incorporation of 10 nanomoles of dNTPs into acid-insoluble material in 30 minutes at 74°C. The reaction conditions are specified below under Standard DNA Polymerase Assay Conditions.

Mutation Rate

2.28 x 10⁻⁵