

<b>Catalog Number:</b>	Catalog #	Amount	Concentration
	OX-002S	1ml	5 U/ $\mu$ l
	OX-002M	2ml	5 U/ $\mu$ l

**Product Description:** Oxone® Mastermix is a 2X premixed formulation, which contains all reagents needed for PCR. Only DNA and primers must be added. Oxone® Taq Polymerase is purified from E. coli strain that carries an overproducing plasmid, containing Thermus Aquaticus DNA polymerase gene.

**Storage Conditions:** Viable for 12 month at -20°C after production date.

**Composition:** 2.5 Units of Oxone® Taq Polymerase, 20 mM Tris-HCL (pH 9.0), 3.0 mM MgCl<sub>2</sub>, 20 mM KCL, 0.8% (v/v) Nonidet P40, 1.6 mM dNTP mix (0.4 mM each)

**Unit Definition:** One unit incorporates 10 nmol dNTP into acid-insoluble material in 30 minutes at 72°C

**Quality Control:** Oxone® 2X Mastermix is free from ontaminants, nicking and priming activities, exonucleases and non-specific endonucleases. Purity of enzyme is evaluated by SDS-PAGE, giving 92 kDa single band (>98% pure). Activity and stability tested via thermo-cycling.

**Passes Quality Control Requirement:**

**Date, Signature**