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## ***Taq-One*<sup>™</sup> 2X PCR Master Mix with Hotstart**

Catalogue Number:	M0010-11 (for real-time PCR) M0012-13 (for short amplicons, end-point PCR) M0014-15 (for long amplicons, end-point PCR) M0016-17 (for one step RT PCR) M0018-19 (with SYBR®Green for real-time PCR)
Dilution:	Use 25µl of the 2X product for each 50µl reaction.
Storage:	Store at 4° C. Stable for 4 months in freezer or fridge. (Use fridge for convenient, no-thaw use.)
Unit Definition:	One unit incorporates 10nmol dNTP into acid-insoluble material in 30 minutes at 72°C.
Product Description:	<i>Taq-One</i> <sup>™</sup> DNA Polymerase originates from <i>Thermus aquaticus</i> , with a molecular weight of 94KDa: for use in primary extension reaction with DNA fragments having a dA overhang on 3' ends; at extension speed of 2,000 bases/min and optimized between 60-75°C.
Taq-One <sup>™</sup> 2X Master Mix	5 units of special <i>Taq-One</i> <sup>™</sup> DNA Polymerase, MgCl <sub>2</sub> , Tris-HCl, dNTP mix, and stabilizing reagents.
Quality Control:	<i>Taq-One</i> <sup>™</sup> 2X PCR Master Mix is highly purified, free of contaminating endonucleases, exonucleases, and nicking activities. The purity of the enzyme is evaluated by SDS-PAGE at >95% purity.

Some applications of these products may be covered by patents issued and applicable in certain countries. Purchase of these products does not include a license to perform any patented application. Therefore, users may be required to obtain a patent license depending on the particular application and the country in which the product is used.