



# Q5<sup>®</sup> High-Fidelity DNA Polymerase

the world's highest fidelity polymerase  
(what's in your PCR ?)

[www.Q5pcr.com](http://www.Q5pcr.com)



<sup>1</sup> We continue to investigate improved assays to characterize Q5's very low error rate to ensure that we present the most accurate fidelity data possible (Potapov, V. and Ong, J.L. (2017) PLoS ONE. 12(1): e0169774).

<sup>2</sup> PCR-based mutation screening in lacZ (NEB), lacI (Agilent) or rpsL (Life).

- 精確度市場第一，正確性優於Taq 280倍以上。
- 合成速率高達6kb/min, 適用長片段PCR (~20kb)。
- 適合高難度PCR, 包含High-AT / High-GC 樣本
- 適合要求高產量及低錯誤率的應用，如NGS Library Preparation, 16S metagenomic, Site directed Mutagenesis, Cloning等。



| Catalog # | Products   | Kit Components  |
|-----------|--|---|
| E0555 S/L | Q5 High-Fidelity PCR kit (50 rxns / 200 rxns)                                | Q5 High-Fidelity 2X Master Mix, Nuclease-free water, Quick-load 2-log DNA Ladder, Gel Loading Dye, Blue(6X) |
| M0491 S/L | Q5 High-Fidelity DNA Polymerase (100 units / 500 units)                      |   |
| M0492 S/L | Q5 High-Fidelity 2X Master Mix (100 rxns / 500 rxns)                         |   |
| M0493 S/L | Q5 Hot Start High-Fidelity DNA Polymerase (100 units / 500 units)            |   |
| M0494 S/L | Q5 Hot Start High-Fidelity 2X Master Mix (100 rxns / 500 rxns)               |   |
| M0544 S/L | NEBNext Ultra II Q5 Master Mix (50 rxns / 250 rxns)<br>~ For NGS Sample Prep |   |