

Mixture for M0491 Q5 PCR

New England Biolabs

Abstract

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Protocol

Step 1.

5X Q5 Reaction Buffer

■ ANNOTATIONS


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for 25µl reaction

Step 2.

10 mM dNTPs

REAGENTS

 Deoxynucleotide Solution Mix - 8 umol of each [N0447S](#) by [New England Biolabs](#)

■ ANNOTATIONS

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25µl reaction: 0.5µl

Step 3.

10 µM Forward Primer

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25µl reaction: 1.25µl

Step 4.

10 µM Reverse Primer

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25µl reaction: 1.25µl

Step 5.

Template DNA

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Variable, record amount of DNA added and adjust the amount of nuclease-free water added to create a total volume of 25µl.

Step 6.

Q5 High-Fidelity DNA Polymerase

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25µl reaction: 0.25µl

Step 7.

Optional: 5X Q5 High GC Enhancer

Step 8.

Nuclease-Free Water

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Added to create an end volume of 25µl

If no enhancer (step 7) is added, negative control will have 16.76µl of nuclease-free water.