

cat. #1021-500



500 reactions

EPPiC

Enzymatic Post-PCR immediate Cleanup



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EPPiC

Enzymatic Post-PCR immediate Cleanup

Quick and effective PCR fragment purification

The EPPiC mixture contains two enzymes that effectively degrade dNTPs and primer left-overs from previous PCR mixtures while leaving the double stranded DNA PCR products untouched. EPPiC enzymes are active at 37 °C in standard buffers used in PCR and are completely thermally inactivated by 15 min at 70 °C incubation. The EPPiC purified PCR fragments are free from dNTPs and original PCR primers and may be directly used in downstream applications including nested, second round PCR, SNP analysis, molecular cloning and cycle sequencing reactions.

EPPiC mixture contents:

- recombinant thermostable nucleotide hydrolase
- recombinant exonuclease I

Store at -20 °C

Note: Unlike the other enzymatic mixtures used for PCR fragment clean up, EPPiC mixture does NOT remove the 5'-phosphate groups from PCR products obtained with phosphorylated PCR primers. Therefore subsequent cloning of EPPiC-purified, phosphorylated PCR products does NOT require extra phosphorylation of 5'-ends.

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Purification protocol of PCR product:

1. Briefly spin the EPPiC mixture and place the tube on ice.
2. Add 2 µl of EPPiC mixture per each 10 µl of post-PCR mixture. Mix by pipetting.
Note! For example use 1.0 µl of EPPiC per 5 µl of PCR or proportionally 4 µl of EPPiC per 20 µl of PCR.
3. Incubate the whole content at 37 °C for 15 min.
4. Subsequently inactivate the EPPiC mixture by incubation at 70 °C for 15 min. Spin briefly the sample.
5. The resulting PCR product is ready for downstream application and may be stored at -20 °C until needed.

For R&D use only

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Related products:

EPPiC Fast:	
100 reactions	cat. # 1021-100F
500 reactions	cat. # 1021-500F
Clean-Up:	
50 reactions	cat. # 021-50
250 reactions	cat. # 021-250
Clean-Up Concentrator:	
50 reactions	cat. # 021-50C
250 reactions	cat. # 021-250C
Gel-Out:	
50 reactions	cat. # 023-50
250 reactions	cat. # 023-250
Gel-Out Concentrator:	
50 reactions	cat. # 023-50C
250 reactions	cat. # 023-250C
Exonuclease I:	
1000 U	cat. # 1020-1
5000 U	cat. # 1020-5
PCR Master Mixes (200 reactions in 25 µl):	
PCR Mix	cat. # 2005-100
PCR Mix Plus	cat. # 2005-100P
PCR Mix Plus HGC	cat. # 2005-100G
StartWarm HS-PCR Mix	cat. # 2017-100
PCR Mix Rapid	cat. # 2009-100

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500 reactions



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