

cat. #
1021-100F, 1021-500F

A&A BIOTECHNOLOGY

100, 500
reactions

EPPiC Fast

Enzymatic Post-PCR immediate Cleanup



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EPPiC Fast

Enzymatic Post-PCR immediate Cleanup

Quick and effective PCR fragment purification

The EPPiC Fast 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. The EPPiC Fast enzymes are active at 37 °C in standard buffers used in PCR and are completely thermally inactivated by 1 min at 80 °C incubation. The EPPiC Fast 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.

The EPPiC Fast mixture contents:

- recombinant thermostable nucleotide hydrolase
- recombinant exonuclease I with increased efficiency

Store at -20 °C

Note: Unlike the other enzymatic mixtures used for PCR fragment clean up, EPPiC Fast 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:

To prepare the samples we recommend using a thermocycler.

1. Briefly spin the EPPiC Fast mixture and place the tube on ice.
2. Add 2 µl of the EPPiC Fast mixture per each 10 µl of post-PCR mixture. Mix by pipetting.
Note! For example use 1.0 µl of the EPPiC Fast per 5 µl of PCR or proportionally 4 µl of the EPPiC Fast per 20 µl of PCR.
3. Place the tube in the thermocycler and start the programme: 37 °C - 5 min, then 80 °C - 1 min to inactivate the EPPiC Fast mixture.
4. Briefly spin 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	1021-100F
500 reactions	1021-500F
Clean-Up:	
50 reactions	021-50
250 reactions	021-250
Clean-Up Concentrator:	
50 reactions	021-50C
250 reactions	021-250C
Gel-Out:	
50 reactions	023-50
250 reactions	023-250
Gel-Out Concentrator:	
50 reactions	023-50C
250 reactions	023-250C
Exonuclease I:	
1000 U	1020-1
5000 U	1020-5

Ready-to-use PCR mixes (200 reactions in 25 µl):

PCR Mix	2005-100
PCR Mix Plus	2005-100P
PCR Mix Plus HGC	2005-100G
StartWarm HS-PCR Mix	2017-100
PCR Mix Rapid	2009-100

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