EPPiC Fast – Quick and effective PCR fragment purification

The **EPPiC Fast** mixture contains two enzymes that effctively 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 incubation at 80°C. The **EPPiC Fast** purifed 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 contains:
- recombinant thermolabile 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 do NOT require extra 5'-ends phosphorylation.

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

Purification protocol of PCR product:

To prepare the samples we recommend using a thermocycler or thermoblock.

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 program:
   37°C - 5 min, then
   80°C - 1 min to inactivate the EPPiC Fast mixture.
4. Briefly spin the sample.
5. Resulting PCR product is ready for downstream application and may be stored at -20 °C until needed

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