A&A BIOTECHNOLOGY
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Manual

EPPiC Fast

Kit for ultra rapid, enzymatic purification of PCR products.

catalog #	size
1021-100F	100 reactions
1021-500F	500 reactions
1021-2500F	2500 reactions

For research use only.

Guarantee

A&A Biotechnology provides guarantee on this product.
The company does not guarantee correct performance of this kit in the event of:

- not adhering to the supplied protocol
- use of not recommended equipment or materials
- use of other reagents than recommended or which are not a component of the product
- use of expired or improperly stored product or its components

Advantages

- Quick, lossless and effective PCR product purification.
- Procedure takes only 6 minutes.
- Better stability at room temperature compared to other SAP-based products.

Description

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.

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 purified product can be used in downstream applications including nested, second round PCR, SNP analysis and cycle sequencing reactions.

Contents

	1021-100F	**1021-500F**	**1021-2500F**	**storage**
EPPiC Fast mixture	200 µl	1000 µl	5 x 1000 µl	-20 °C

Notes

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

Protocol

1. Briefly spin EPPiC mixture and place on ice.
2. To **10 µl** of post-PCR reaction mixture add **2 µl** of **EPPiC mixture**. Mix by pipetting.

   Note. The reaction can be carried out with a different volume of post-PCR reaction mixture. However, a 5:1 ratio should be maintained (e.g. add 1 µl of EPPiC mixture to 5 µl of post-PCR reaction mixture).
3. Briefly spin the sample.
4. Incubate the sample in a thermal cycler:
   - **5 min** at **37 °C**
   - **1 min** at **80 °C**
5. Briefly spin the sample.
6. Store purified sample at -20 °C.

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