A&A BIOTECHNOLOGY
innovating life science

Manual

Anti-Inhibitor Kit

Kit for removing PCR inhibitors from DNA preparations.

catalog #	size
1015-50	50 isolations
1015-250	250 isolations

For research use only.

Guarantee
A&A Biotechnology provides a guarantee on this product.
The company does not guarantee the 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

Description

The principle of Anti-Inhibitor Kit is based on the ability to bound polyphenolic PCR inhibitors by absorption beads. After the addition of absorption beads to the column the DNA sample is loaded onto the minicolumn. In the next step the minicolumn is centrifuged. DNA which is contained in the filtrate is free of polyphenolic compounds known as potent inhibitors of many enzymatic reactions.

Contents

component	50 isolations	250 isolations	storage
Minicolumns	50 pcs	250 pcs	15–25 °C
Absorption beads	45 ml	210 ml	15–25 °C

Additional equipment and reagents

Necessary

- 1.5 ml sterile Eppendorf tubes
- Microcentrifuge

Preparation of minicolumns

1. Mix the bottles with the suspension of the absorption beads by inverting to get a homogeneous mixture.

2. Add **700 µl** of the absorption beads to the minicolumns.

   To transfer the dense suspension the absorption beads we suggest to cut off 2-3 mm of the end of a single pipette tip. The tip internal diameter should be larger than standard.

3. Close the minicolumns and centrifuge for **3 min** at **8000 x g**.

   After centrifugation the surface is inclined.

4. Place the minicolumns into the 1.5 ml Eppendorf tubes (not included). The minicolumns are ready to use.

Removal inhibitors from DNA samples

1. Apply **50 µl** of DNA samples containing inhibitors onto the surface of the absorbing particles placed in the minicolumns.

2. Centrifuge for **1 min** at **8000 x g**.

3. Remove the minicolumns and close the tubes. The DNA obtained in the filtrate is ready for direct use for PCR or other enzymatic reactions. It may be stored until later use.

A&A BIOTECHNOLOGY

innovating life science

A&A Biotechnology, ul. Strzelca 40, 80-299 Gdańsk, Poland
phone +48 883 323 761, +48 600 776 268
info@aabiot.com, www.aabiot.com

version 2023-1