Data sheet

Clean-Easy PCR Purification Kit

Cat. No: AN0063-S (20 reactions)
Cat. No: AN0063 (50 reactions)
Cat. No: AN0064 (100 reactions)

Description

Clean-Easy PCR Purification kit provides a rapid and efficient method to purify DNA and remove contaminants from reaction mixtures (e.g. PCR, digestion or labeling reactions,). Clean-Easy minispin columns contain an exclusive membrane that allows DNA adsorption in presence of chaotropic salts and the removal of contaminants.

Features

- **Simple** and **Just a few minutes** procedure**.**
- **70-90% DNA recovery**.
- Suitable for DNA fragments as short as 75 bp.
- DNA purified **Ready to use** in all molecular biology procedures.

Kit Components

ITEM	AN0063	AN0064
Clean-Easy minispin columns	50	100
Collection tubes (2 mL)	50	100
PB Buffer	25 ml	50 ml
PE Buffer *	11.25 ml	22.5 ml
EB Buffer	9 ml	9 ml

* Add the volume ethanol (96%-100%) specified [Not included] prior to initial use (see bottle label for volume). After ethanol has been added, mark the bottle to indicate that this step has been completed.

Store at RT.

Applications

- Removal of proteins and salts from PCR, restriction digestion, dephosphorylation, ligation or labelling reactions.
- Changing of a restriction enzyme buffer.
- Re-purification of genomic DNA

Quality Certifications

Clean-Easy PCR Purification Kit is tested in the purification of a 0.6 kb DNA fragment from PCR mixture. The purified band is analysed in agarose gel electrophoresis.

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Assay procedure

1. Add 5 volumes of **Buffer PB** to one volume of PCR solution and mix thoroughly by pipette.

2. Label the lid of a new spin column placed in a 2 ml collection tube. Carefully apply the mix from step 1 to the spin column and Centrifuge at 13000 rpm for 1 minute.

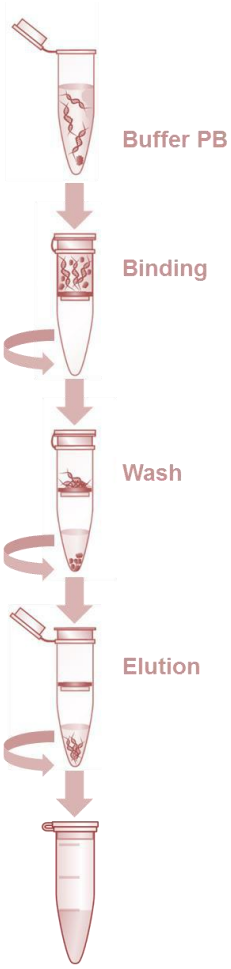
3. Place the spin column in a new 2 ml collection tube, and discard the collection tube containing the filtrate.

4. Add 700 µl of **buffer PE** for Wash to the minispin column and centrifuge at 13000 rpm for 1 minute.
   Remember! *Before using it for the first time, add ethanol (96–100%) to the PE Buffer as indicated on the bottle.*

5. Discard the flow-through and centrifuge at 13000 rpm for 1 minute. *This step is essential for removing traces of PE buffer.*

6. Transfer the minispin column into a new, labeled 1.5 ml microcentrifuge tube.

7. Carefully open the minispin column and pipet 30 µl **Buffer EB** or H_2O (pH=7.0-8.5) directly onto the membrane. Close the cap and incubate for 1 min at room temperature, then centrifuge at 13000 rpm for 1 min to elute DNA. *To increase the DNA yield you can warm the buffer EB/H_2O to 65 °C before adding to the column.*



PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively for research purposes and *in vitro* use only. The product was not tested for use in diagnostics or for drug development, and is not suitable for administration to humans or animals. Please refer to **www.canvaxbiotech.com** for the Material Safety Data Sheet of the product.