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DATA SHEET

Version: 03
Revision date: 09/05/2023

1. Identification

Product name **Clean-Easy PCR Purification Kit**

Cat. No **AN0063 (50 reactions)**
Cat. No **AN0064 (100 reactions)**
Cat. No **AN0064-XL (250 reactions)**

2. 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.

3. Kit Components

Item	Quantity		
	AN0063 (50 rxn)	AN0064 (100 rxn)	AN0064-XL (250 rxn)
Clean-Easy minispin columns	50	100	250
Collection tubes (2 mL)	50	100	250
Buffer PB	25 ml	50 ml	125 ml
PE Buffer*	11.25 ml	22.5 ml	40 ml
EB Buffer	5 ml	8 ml	12 ml

* Ethanol (96%-100%) [not included] must be added prior to use as indicated on the label. After ethanol has been added, mark the bottle to indicate that this step has been completed.

4. 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.

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

5. Storage

Clean-Easy PCR Purification Kit should be stored at room temperature (15–25˚C)

6. 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

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7. Further information

Product Use Limitations

This product is developed, designed, and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

Safety Information

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the appropriate material safety data sheets (MSDS). These are available online in convenient and compact PDF format at www.canvaxbio.com where you can find, view, and print the MSDS for each CANVAX kit.

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 H2O** (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/H2O to 65 °C before adding to the column.