ab156894

PCR Clean-up Kit

Instructions for Use

For efficient clean-up of PCR products from various sources.

This product is for research use only and is not intended for diagnostic use.

Version 2a Last Updated 14 March 2013

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1. Background

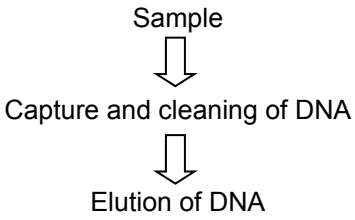
The PCR Clean-up Kit uses a unique procedure and composition to efficiently clean-up PCR products from various sources including conventional or real time thermal cycling PCR and isothermal gene amplification (PCR). The kit has the following features:

- The fastest procedure available (< 2 minutes).
- Ultra-purity and recovery of small PCR products with efficient removal of contaminants (salts, proteins, enzymes, nucleotides, and primers).
- Use of preparatory binding solution and non chaotropic or other irritant reagents.

The PCR Clean-up Kit allows cleaning of PCR product sizes from 200 bp to 10 kb; DNA quantity from 0.1 ng to 2 µg, optimal at between 1 ng and 1 µg. Recovery rate of DNA is greater than 70%. Cleaned PCR product is ready for direct use in the following applications: ligation/transformation, sequencing, restriction digestion, microarray analysis, labeling, microinjection, and *in vitro* transcription.

ab156894 simply applies our proprietary binding buffer to PCR products. After transferring the sample to the specially designed F-Spin Column and washing with the washing buffer, the PCR products are easily recovered in 8-20 µl elution buffer. Purified PCR products are ready for down-stream application.

2. Assay Summary



3. Materials Supplied

Item	50 tests	100 tests	Storage (Before Preparation)
PC1 (Binding Buffer)	16 ml	2 x 16 ml	RT
PC2 (Wash Buffer)	2.5 ml	2 x 2.5 ml	RT
PC3 (DNA Elution Solution)	1 ml	2 ml	RT
F-Spin Column	50	100	RT
F-Collection Tube	50	100	RT

4. Storage and Stability

PCR Clean-up Kit can be stored at room temperature (15-22°C).

5. Materials Needed Not Supplied

- Pipette
- 100% ethanol
- Microcentrifuge capable of 12000 rpm

6. Reagent Preparation

Prepare PC2 (Final Wash Buffer):
Add 20 ml of 100% Ethanol to each bottle of PC2 (Wash Buffer)

7. Assay Procedure

Note: Always cap spin columns before placing them in the microcentrifuge.

a) Add 2 volumes of PC1 (Binding Buffer) to each volume of the PCR product sample, and mix well. (For example, add 200 µl of PC1 (Binding Buffer) to 100 µl of PCR product sample. If required volume is less than 100 µl, add 100 µl of PC1 (Binding Buffer).)
b) Transfer mixture to the column. Centrifuge at 12,000 rpm for 15 seconds. Discard the flowthrough. Replace the column to the collection tube
Note: *maximum volume of the column is 600 µl*

c) Add 200 µl of the Modified PC2 (Final Wash Buffer) to the column and centrifuge at 12,000 rpm for 15 seconds. Discard the flowthrough and replace the column to the collection tube.
d) Add 200 µl of the Modified PC2 (Final Wash Buffer) to the column and centrifuge at 12,000 rpm for 30 seconds.
e) Place the column in a new 1.5 ml vial. Add 8-18 µl of PC3 (DNA Elution Solution) directly to the column filter, centrifuge at 12,000 rpm for 20 seconds to elute cleaned DNA.
f) DNA is now ready for use or storage at –20°C.

Technical Support

For all technical or commercial enquiries please go to:

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