EnzyMax, LLC

Product Information

Product Name: PCR cleaning-up kit
Catalog no.: EZC201
Size: 50 preps

Related products:	Catalog No.
Mini Spin columns w/collection tubes	EZC101
Tini Spin columns w/collection tubes	EZC106
DNA (ChIP) clean-up and concentration kit (Tini column)	602

Description:

This kit is designed for direct purification of double or single-stranded PCR product (100bp-10kb) or other enzymatic reactions with silica base Mini Spin Column or Tini spin column. It will remove primers or DNA fragment <100bp. Tini spin column can also be used for concentrating DNA sample by using the same protocol but cut down all the solutions to 1/2 to 1/3. The elution volume is as low as 5µl. The catalog number for cleanup kit with Tini column is Cat#603.

Feature:

- Easy and rapid with 10 min. procedure using spin column.
- High DNA recovery
- Cleanup DNA from mini prep, PCR amplification (from 100bp-12Kb), and enzymatic reactions (eg. labeling, restriction, and dephosphorlation….)
-Remove Salt, primers, enzymes, dNTPs, and other impurities

Kit Contents:

Components	*PCR Cleaning up kit 50 Preps (*cat# EZC201)
PCR Cleanup Binding Buffer	26 ml
5xWash Buffer*	6 ml
Mini spin column with collection tube**	50

***Add 100% ethanol before use:** add 24ml 100% ethanol to 6ml 5xWash buffer.
**Mini Spin columns can be order separately for leftover solutions (cat#EZC101, $39 for 100 columns)

Caution:
PCR Cleanup Binding Buffer contains chaotropic salt. Please use proper safety precautions and always wear gloves when handling the reagent. Avoid contact with skin, eyes or clothing. In case of accidental spill or contact, wash thoroughly with water, seek medical advice if necessary.

Procedures:

1. Mix 5 volumes of the **PCR Cleanup Binding Buffer** with 1 volume of DNA/PCR solution.

2. Load the sample mixture on the **Mini Spin Column** and spin in a microcentrifuge for 1 min at full speed (about 10,000 rpm). Do not load more than 700 µl of sample on Mini spin column (or 350µl on Tini spin column) at one time. Discard the flow through and load more sample mixture if needed.

3. Wash the column by adding 500 µl of **1x Wash Buffer** (**Ethanol added)** and centrifuge for 1 min.

4. Wash once with 500 µl of 80% ethanol and centrifuge for 1 min.

5. Discard flow through and place the column back in the same tube. Cut off the cap on the column (this will help to remove ethanol completely) and spin for 2 min. **Note:** this step is important since the residual ethanol may affect downstream applications)

6. Place the column in a clean 1.5 ml micro-centrifuge tube.

7. Add 30 µl or more **TE** (10mM Tris,Cl, 1mM EDTA, pH8.0) or **ddH_2O** (preheated at 65^oC for better yield) to the **center** of the column and leave at room temperature for 5 min. Spin the column for 1 min to elute the DNA from the column. For Tini spin column, add as low as 5µl **TE** or **ddH_2O** for elution.

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