

TuMinute™ PCR Clean-Up Kit

Base Catalog # P-1005

PLEASE READ THIS ENTIRE USER GUIDE BEFORE USE

The TuMinute™ PCR Clean-Up Kit allows cleaning of PCR product sizes from 200 bp to 10 kb; DNA quantity from 0.1 ng to 2 μ g, optimal at between 1 ng and 1 μ g. 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.

KIT CONTENTS

Components	50 samples P-1005-1	100 samples P-1005-2
PC1 (Binding Buffer)	16 ml	2 x 16 ml
PC2 (Wash Buffer)	2.5 ml	2 x 2.5 ml
PC3 (DNA Elution Solution)	1 ml	2 ml
F-Spin Column	50	100
F-Collection Tube	50	100
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SHIPPING & STORAGE

The *TuMinute*™ PCR Clean-Up Kit can be stored at room temperature (15-22°C) for up to 1 year.

GENERAL PRODUCT INFORMATION

Quality Control: Epigenetek guarantees the performance of all products in the manner described in our product instructions.

Product Updates: Epigenetek reserves the right to change or modify any product to enhance its performance and design.

Usage Limitation: The *TuMinute*™ PCR Clean-Up Kit is for research use only and is not intended for diagnostic or therapeutic application.

Intellectual Property: *TuMinute*™ is a trademark of Epigenetek, Inc.

A BRIEF OVERVIEW

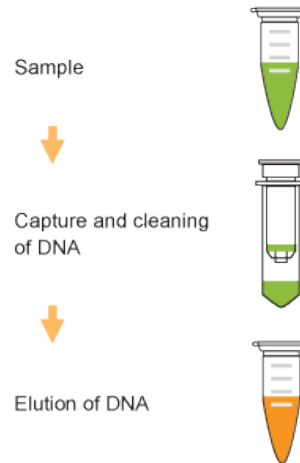
The *TuMinute*™ PCR Clean-Up Kit uses a unique procedure and composition to efficiently clean-up PCR products from various sources including conventional or real time thermal cycling PCR and isothermal gene amplification (PCR). The kit has the following features:

- 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.



PRINCIPLE & PROCEDURE

The *TuMinute*[™] PCR Clean-Up Kit simply applies our proprietary binding buffer to PCR products. After transferring the sample to the specially designed Fast-Spin Column and washing with the washing buffer, the PCR products are easily recovered in 8-20 μ l elution buffer. Purified PCR products are ready for down-stream application.



Schematic Procedure for Using the *TuMinute*[™] PCR Clean-Up Kit

PROTOCOL

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

Before starting, add 20 ml of 100% ethanol to PC2 to make the final wash buffer.

1. Add 2 volumes of **PC1** to each volume of the PCR product sample, and mix well. (For example, add 200 μ l of **PC1** to 100 μ l of PCR product sample. If required volume is less than 100 μ l, add 100 μ l of **PC1**.)
2. 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 μ l.*)
3. Add 200 μ l 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. Add 200 μ l of the modified **PC2** (*final wash buffer*) to the column and centrifuge at 12,000 rpm for 30 seconds.
4. Place the column in a new 1.5 ml vial. Add 8-18 μ l of **PC3** directly to the column filter, centrifuge at 12,000 rpm for 20 seconds to elute cleaned DNA.

DNA is now ready for use or storage at -20°C .

RELATED PRODUCTS

P-1006

DNA Concentrator Kit