ReadiPrep™ PCR Purification Kit

Catalog number: 60511
Unit size: 25 Preps

Component	Storage	Amount (Cat No. 60511)
Component A: ReadiPrep™ Binding Buffer	Refrigerated (2-8 °C)	1 bottle (15 mL)
Component B: ReadiPrep™ Spin Column	Room temperature (10-25 °C)	25 columns
Component C: ReadiPrep™ Wash Buffer	Refrigerated (2-8 °C)	1 bottle (10 mL)
Component D: ReadiPrep™ Elution Buffer	Refrigerated (2-8 °C)	1 bottle (5 mL)

OVERVIEW

The ReadiPrep™ PCR Purification Kit is a fast and reliable DNA cleanup system designed for the purification of amplified DNA from PCR reactions. Using a silica membrane-based spin column, the kit efficiently removes primers, unused dNTPs, salts, enzymes, and other contaminants to deliver high-purity DNA ready for downstream applications. It is equivalent to QIAquick PCR purification kit.

This PCR cleanup kit is optimized for a wide range of molecular biology workflows including DNA sequencing, cloning, ligation, and quantitative PCR (qPCR). Its user-friendly protocol minimizes hands-on time and ensures consistent, reproducible results—ideal for both routine and high-throughput labs. The ReadiPrep™ PCR Purification Kit offers the speed, simplicity, and performance required for efficient and high-quality DNA recovery.

AT A GLANCE

1. Add 5 volumes of ReadiPrep™ Binding Buffer into PCR sample.
2. Apply the mix to ReadiPrep™ Spin Column and centrifuge the column.
3. Wash the column with ReadiPrep™ Wash Buffer working solution.
4. Elute the sample from the column with ReadiPrep™ Elution Buffer.

PREPARATION OF WORKING SOLUTION

1. Prepare ReadiPrep™ Wash Buffer working solution by adding 200 µL of ReadiPrep™ Wash Buffer (Component C) into 800 µL of Ethanol (96-100%, not provided).

   Note: 1 mL of working solution is enough for 1 prep.

SAMPLE EXPERIMENTAL PROTOCOL

1. Add 5 volumes of ReadiPrep™ Binding Buffer (Component A) to 1 volume of the PCR sample, and then mix well. E.g. Add 500 µL of ReadiPrep™ Binding Buffer to 100 µL of PCR sample.
   Note: For samples lower than 100 µL volume, add molecular grade water to make up the volume to 100 µL.
2. Apply the sample to ReadiPrep™ Spin Column (Component B) and centrifuge the column at 13,000 rpm for 60 seconds.
   Note: For better binding, samples in columns can be incubated for 1 minute before centrifugation.
3. Discard the flow-through and place the column back into the collection tube.
4. Add 600 µL of ReadiPrep™ Wash Buffer working solution and centrifuge the column at 13,000 rpm for 60 seconds.
   Note: For additional salt removal, wash buffer in columns can be incubated for 1 minute before performing centrifuge.
   Note: To prevent salt carryover for sensitive procedures, additional wash steps can be performed with 350 µL of ReadiPrep™ Wash Buffer working solution and repeat step-4.
5. Remove the wash buffer and perform an additional centrifuge at 13,000 rpm for 2 minutes to dry the columns completely.
6. Add 30 µL of ReadiPrep™ Elution Buffer (Component D) to the center of the column and centrifuge the column at 13,000 rpm for 60 seconds. To increase yield, perform another elution step with 30 µL of ReadiPrep™ Elution Buffer and centrifuge.
   Note: For better yield, elution buffer in columns can be incubated for 1 minute before performing centrifuge.

EXAMPLE DATA ANALYSIS AND FIGURES

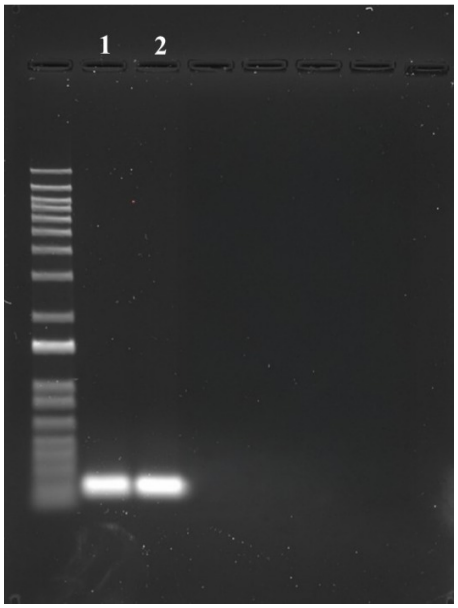

Figure 1. Comparison of 18sRNA PCR product purified with Competitor A's purification kit (Labeled as 1) and ReadiPrep™ PCR clean up kit (cat# 60511, labeled as 2). Purified products were run on 1% agarose gel with 1X TAE buffer followed by Gelite safe DNA gel staining (cat# 17700).

DISCLAIMER

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