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G2P Spin Clean PCR Cleanup kit

Cat # ☐ **PUR13-50 ,** ☐ **PUR13-5S**
Pack size: ☐ **50 rxns** ☐ **5 rxns**
Storage: Room Temperature*

Introduction:

The G2P Spin Clean PCR Cleanup kit is an easy-to-use solution for DNA purification, offering the convenience of spin-column technology combined with the selective binding properties of a specially designed silica membrane. Our kit includes buffers that are optimized for maximum DNA recovery and contamination removal in each specific application. The silica membrane selectively binds DNA in the presence of high salt concentrations, allowing impurities to pass through the column. Pure DNA can then be eluted from the sample using Elution buffer or water.

Our spin columns can be used in three different ways, including the traditional microcentrifuge, a commercial vacuum manifold with luer connectors, or with automated processing. With these options, you can choose the method that best fits your needs and work environment.

Kit Content

- Buffer PCA - 30mL
- Buffer D (Wash Buffer) * - 10mL
- Buffer E (Elution Buffer) - 10mL
- Spin Columns ☐ 50 ☐ 5
- Collection Tubes ☐ 50 ☐ 5

Procedure

Add 40ml ethanol to 10mL of buffer D before starting the protocol

1. Mix PCA in 1:1 (Vol:Vol) with PCR product
2. Load upto 600ul on Spin Column and spin at high speed (10,000xg).
3. Load the supernatant on the spin column spin at high speed (10,000xg).
4. *Discard the flow-through.*
5. *Add 600 µl of Buffer D and spin for 3 minutes.*
6. *Discard the flow-through.*
7. *Spin again for 3 minutes to dry.*
8. *Place the column on a fresh microfuge tube (not included in the kit) and add approximately 30 µl of Buffer E. Water may be used in place of Buffer E for elution. When using water, ensure that the pH of the water is 8.0. When using lower volumes of elution buffer, add the buffer dropwise to the center of the membrane. Wait for 1 minute after adding the Buffer E.*
9. *Spin at high speed and collect the elution (gel-extracted product).*

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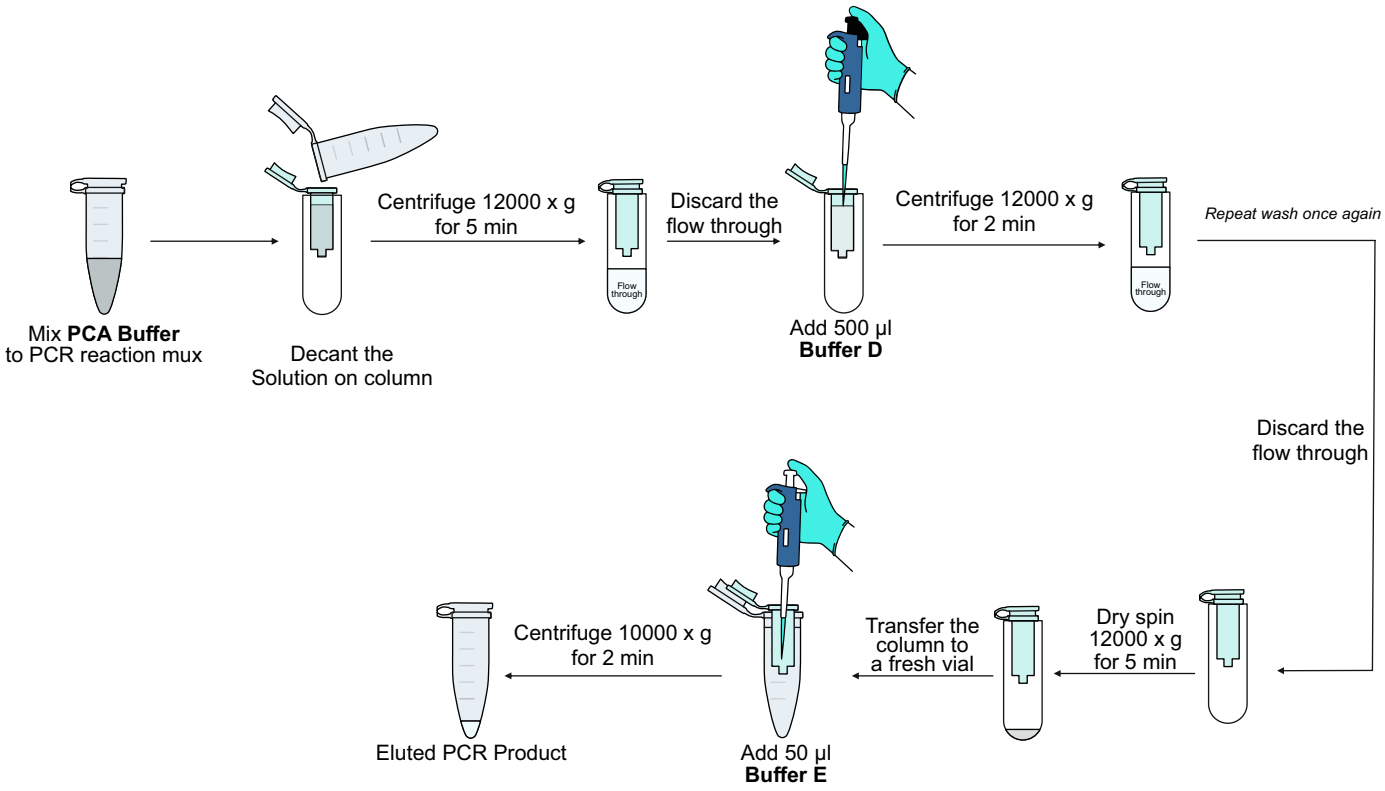
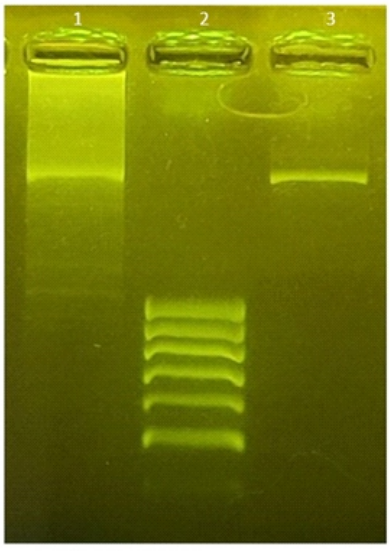
Graphical Protocol



Result



1. Before PCR cleanup
2. 100bp G2P ladder (Catalogue No. L10)
3. After PCR clean up through G2P SpinClean PCR Cleanup kit