

Kit Contents:

Cat. No:	APPCK 004 (4 preps_sample)	APPCK 050 (50 preps)	APPCK 200 (200 preps)
PC Buffer	1.5 ml x 2	30 ml	110 ml
Wash Buffer (concentrate) ^a	1.0 ml	12.5 ml	45 ml
Elution Buffer	0.5 ml	5 ml	20 ml
PC Mini Column	4 pcs	50 pcs	200 pcs
Collection Tube	4 pcs	50 pcs	200 pcs
Elution Tube	4 pcs	50 pcs	200 pcs
User Manual	1	1	1
Preparation of Wash Buffer by adding ethanol (96 ~ 100%)			
Ethanol volume for Wash Buffer ^a	4 ml	50 ml	180 ml

Specification:

Principle:	spin column (silica matrix)
DNA Binding capacity of spin column:	20 μ l
Sample size:	up to 100 μ l of reaction solution
DNA size:	65 bp ~ 10 kbp
Recovery:	90% ~ 95% for PCR clean-up
Operation time:	10 ~ 15 min
Elution volume:	40 μ l

Important Notes:

1. Buffer provided in this kit contain irritants. Wear gloves and lab coat when handling these buffer.
2. Add the required volume of ethanol (96~100%) to Wash Buffer before use.
3. Centrifugation steps are done by a microcentrifuge capable of the speed at 11,000 ~1,8000 x g.

Brief procedure:



PCR Clean-Up Protocol: For purification of PCR products or reaction mixtures
Please Read Important Notes Before Starting Following Steps

STEP	PROCEDURE
1 Sample prepare	Transfer up to 10 ~100 µl of PCR product (excluding oil) to a microcentrifuge tube (not provided) add 5 volumes of PC Buffer , mix well by vortexing. Place a PC column into a Collection Tube.
2 DNA Binding	Transfer the sample mixture to the PC Column. Centrifuge at 11,000 x g for 30 seconds, then discard the flow-through.
3 Wash	Add 600 µl of Wash Buffer (ethanol added) to the PC Column. Centrifuge at 11,000 x g for 30 seconds, then discard the flow-through.
4 Dry Column	Centrifuge again at full speed (~18,000 x g) for an additional 3 minutes to dry the column matrix.
5 Elution	1. Place the PC Column to a new microcentrifuge tube (not provided). 2. Add 40 µl of Elution Buffer or ddH ₂ O to the membrane center of the PC Column. 3. Stand the PC Column for 1 min. 4. Centrifuge at full speed (~18,000 x g) for 1 min to elute the DNA.

