

GSure® PCR Purification kit

#G4628A 50 preparations

Store at Room Temperature

Procedure:

1. For PCR cleanup, add 3 times of PCR reaction volume of buffer GPPB to the PCR product (**eg. 150ul of buffer GPPB to 50ul of PCR product**).
2. **The buffer is highly improved and efficient that does not contain Guanidine Thiocyanate thus assuring most purified DNA for downstream processing.** GPPB contains a color indicator which will turn pink if pH of the solution increases.
3. High pH inhibits DNA binding with column. **If the color changes to pink, add 3M sodium acetate pH 5.2 (not provided), until the color changes to straw yellow again.**
4. Add isopropanol of equal volume of PCR reaction volume (**eg. 50ul of isopropanol for 50ul of PCR product**).
5. Mix well by vortexing for 2-3 times.
6. Apply total solution into the GMini Spin column.
7. Centrifuge at 13,000 rpm (~8500xg) for 30–60 s. Discard the flow-through.
8. Wash GMini Spin Column by adding 600µl Membrane Wash Buffer* and centrifuging for 30–60 s as previously.
9. Discard the flow-through.
10. Repeat washing step.
11. Discard the flow-through, and centrifuge for an additional 2 minutes to remove residual wash buffer from membrane. ***This step is extremely important to ensure complete removal of ethanol. Presence of ethanol in purified DNA may inhibit successive enzymatic reactions.***
12. Place the GMini Spin Column in a clean 1.5 ml microcentrifuge tube (not provided). To elute DNA, add 50µl of Nuclease-free Water(provided) to the center of each GMini Spin Column, let stand for 1 minute, and centrifuge for 1 minute at maximum speed (~8500Xg) on a table top microcentrifuge.
13. Discard the column and collect the eluted DNA present in microcentrifuge tube.

Kit Contents:

GPPB Buffer	:	30ml
Membrane Wash Buffer	:	30ml
Spin Column	:	50 pcs.
Nuclease-free Water	:	3ml

*Reconstitution of Membrane Wash Buffer: Before using the kit for first time, add 45ml of absolute ethanol (molecular biology grade) with the provided wash buffer. Mix thoroughly by shaking. Once ethanol added, tighten the cap properly after each use.