DNA Clean Up Kit (Spin Type)

The sample volume must be between 50 and 250 ul. If the sample volume is less than 50 ul, bring the volume up to at least 50 ul. with sterile water.
Notes: Add (96-100%) Ethanol in Wash Solution.

1. Use one spin column for each sample.

2. Add 0.5 ml of DNA Clean-Up buffer to a 1.5 ml microcentrifuge tube. Add the sample (50-250 ul) to the Clean-Up solution and mix by gently inverting several times.

3. Transfer the DNA Clean-Up buffer containing the DNA to the spin column by pipetting.

4. Centrifuge the supernatant at 10,000 - 14,000 x g (**r**max) in a microcentrifuge for 10 seconds at room temperature. Remove the Spin Column from the tube and discard the flowthrough from the Collection Tube. Reinsert the Spin Column into the Collection Tube.

5. Add 650 ul of Wash Solution to the Spin Column.

6. Centrifuge at 10,000 - 14,000 x g (**r**max) in a microcentrifuge for 1 min at room temperature.

7. Remove the Spin Column from the tube and discard the flowthrough.
   Reinsert the Spin Column into the Collection Tube.

8. Add 300 ul of Wash C Solution.
   Centrifuge at 10,000 - 14,000 x g (**r**max) in a microcentrifuge for 2 minutes at room temperature.

9. Transfer the Spin Column to a new 1.5 ml microcentrifuge tube. If the Spin Column has Wash Solution associated with it, centrifuge again for 1 minute at 10,000 - 14,000 x g (**r**max) before transferring to the new 1.5 ml tube.

10. Elute the DNA by adding **30 ul of pre-warmed (65-70℃) DW or TE buffer** (10mM Tris-HCl at pH 8.5) to the Spin Column and let the column **stand for 1 min**. Centrifuge at 10,000 - 14,000 x g (**r**max) for 1 minute at room temperature in a microcentrifuge.
    Cap the microcentrifuge tube and store the purified DNA at -20℃ or below.