A&A BIOTECHNOLOGY
innovating life science

Clean-Up Maxi

Kit for DNA cleanup after PCR and other enzymatic reactions using restriction enzymes, ligase, kinase, etc.

version 0617

10 isolations

Cat. # 028-10

The binding capacity of the purification column is 1 mg of DNA.

For R&D use only.

Kit Contents

Component	10 isolations	Store at
Columns	10 pcs	Room Temp.
50 ml tubes	10 pcs	Room Temp.
Counterweight columns	1 pcs	Room Temp.
G binding solution	220 ml	Room Temp.
A1 wash solution	220 ml	Room Temp.
Tris buffer (10 mM, pH 8.5)	55 ml	Room Temp.

Equipment and materials necessary for DNA purification that are not included in the kit

1. DNA sample after enzymatic reactions
2. Sterile water (nuclease free, DEPC treated) (cat. # 003-075, 003-25) (option)
3. TE buffer (cat. # 297-5, 297-100) (option)
4. Centrifuge with swing-out rotor for 50 ml tubes (Falcon type)
5. Heatblock or incubator set to 70 °C

NOTE:
Before you start working, we recommend cleaning the work surface using LabZAP™ product (cat. # 040-500)

A&A Biotechnology provides one year guarantee on this kit
The company does not guarantee correct performance of this kit in the event of:

- not adhering to the supplied protocol
- not recommended use of equipment and materials
- the use of other reagents than recommended or which are not a component of the kit
- the use of expired or improperly stored reagents and columns

Protocol

Note:

Preheat Tris buffer (included) or TE buffer or sterile nuclease-free water / DEPC water (not included) to 70 °C prior DNA elution.

1. Mix DNA samples (max. 10 ml) with 2 volumes of G binding solution and apply onto the columns placed inside 50 ml tubes.
   Close the tubes with the screw caps.

   If the total volume exceeds 25 ml, divide the mixture into portions and apply not more than 25 ml of mixture per single column.

2. Centrifuge in swing-out rotor for 2 min at 4500 x g.

   If odd number of samples, please remember about counterweight cartridge before centrifugation.

3. Open the tubes, remove the columns from the tubes.
   Discard the filtrates and re-attach the columns to the same tubes.

4. Apply the next portion mixture of DNA samples with G binding solution, if necessary, and repeat the centrifugation (step 2).
   Remove the columns from the tubes. Discard the filtrates and re-attach the columns to the same tubes (step 3).

5 . Apply 15 ml of A1 wash solution onto the columns. Close the tubes with the screw caps.

6. Centrifuge in swing-out rotor for 2 min at 4500 x g.

7. Open the tubes, remove the columns from the tubes.
   Discard the filtrates and re-attach the columns to the same tubes.

8. Apply 5 ml of A1 wash solution onto the columns. Close the tubes with the screw caps.

9. Centrifuge in swing-out rotor for 20 min at 4500 x g.

10. Open the tubes, remove the columns from the tubes.
    Discard the filtrates and transfer the columns to new 50 ml tubes (included).

11. Apply 5 ml of preheated to 70 °C Tris buffer (included) or TE buffer or sterile nuclease-free water (not included) onto the columns.
    Close the columns with the screw caps.

12. Incubate for 2 min at room temp.
    Centrifuge for 2 min at 4500 x g.

13. Open the tubes, remove the columns and close the tubes.

    Store the DNA at +4 ºC to +8 ºC.

Safety information

DANGER

A1 wash solution
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
P210 Keep away from heat, sparks, open flames, hot surfaces. No smoking.
P261 Avoid breathing vapours.
P305+P351+P338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

WARNING

G binding solution
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
P305+P351+P338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.