BENCH-TOP PROTOCOLS for eCube Gel Purification Kit

eCube Gel Purification Kit

*** Things to do before starting**

1. For 50preps, add 60ml ethanol (96-100%) to Wash Buffer when first open.
   For 200preps, add 180ml ethanol (96-100%) to Wash Buffer when first open.
   For 300preps, add 280ml ethanol (96-100%) to Wash Buffer when first open.
2. Prepare a 55°C dry bath or water bath.
3. All centrifuge steps are done at full speed (**14,000 rpm or 10,000 x g**) in a microcentrifuge.

1. Excise the **agarose gel (up to 200mg)** containing relevant DNA fragments with a clean scalpel.

2. Add **3 volume of XPGP Buffer** to the sample and mix by vortexing.
   (For >2% agarose gels, add 6 volume of XPGP Buffer.)
3. Incubate at **55°C for 10-15 min** and vortex the tube every 3 min until the gel slice dissolved completely.

4. Transfer the sample mixture to **XPGP Column**.

5. Centrifuge for **1 min** then discard the flow-through

6. Add **750ul of Wash Buffer (ethanol added)** to the XPGP Column.

7. Centrifuge for **1 min** then discard the flow-through

8. Centrifuge for **3 min** to dry column

9. Add **40ul of Elution Buffer or ddH$_2$O** (pH 7.0 – 8.5) to the membrane center of XPGP Column. Stand the column for 2 min.

10. Centrifuge for **1 min**

11. You can get pure DNA.

Please consult the eCube Gel, PCR, Gel/PCR Purification Kit Handbook before using these protocols for the first time.

PhileKorea
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