eCube Gel & PCR Purification Kit — * for Gel Purification

*** 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 300mg)** containing relevant DNA fragments with a clean scalpel.

2. Add **500ul of XPDF Buffer** to the sample and mix by vortexing.
   (For >2% agarose gels, add 1ml of XPDF 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 **XPDF Column**.

5. Centrifuge for **30 sec** then discard the flow-through

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

7. Centrifuge for **30 sec** then discard the flow-through

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

9. Add **40ul of Elution Buffer or ddH_2O** (pH 7.0 – 8.5) to the membrane center of XPDF Column. Stand the column for 2 min.

10. Centrifuge for **2 min**

11. You can get pure DNA.

BENCH-TOP PROTOCOLS for eCube Gel&PCR Purification Kit

eCube Gel & PCR Purification Kit — * for PCR Purification

*** 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.
3. All centrifuge steps are done at full speed (**14,000 rpm or 10,000 x g**) in a microcentrifuge.

1. Transfer **up to 100ul of PCR product** (excluding oil) and add **5 volumes of XPDF Buffe**r to a 1.5 ml microcentrifuge tube (not provided) then mix well by vortexing.

2. Transfer the sample mixture to **XPDF Column**.

3. Centrifuge for **30 sec** then discard the flow-through

4. Add **750ul of Wash Buffer (ethanol added)** to the XPDF Column.

5. Centrifuge for **30 sec** then discard the flow-through

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

7. Add **40ul of Elution Buffer or ddH_2O** (pH 7.0 – 8.5) to the membrane center of XPDF Column. Stand the column for 2 min.

8. Centrifuge for **2 min**

9. You can get pure DNA.

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

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