# (DP330) TIANquick FFPE DNA Kit

## ——FFPE

**TIANGEN BIOTECH(BEIJING)CO., LTD**

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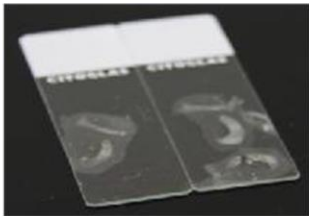
# Experiment Preparation

1. Paraffin section or block
2. 96-100% ethanol
3. Pipette and matched sterile tips (10 μl, 200 μl, 1 ml); 1.5 ml centrifuge tubes
4. Vortex oscillator; Dry bath/water bath; Centrifuge



# Experiment Preparation-Kit Preparation

**Please add 96-100% ethanol in Buffer PW and GD before use according to the volume indicated on the label of the bottle.**

# Step 1

Take 5-8 pieces of paraffin sections (5-10 μm,1×1 $cm^2$).

**Note: If the surface of the sample is exposed to air, the first 2~3 scraped pieces shall be discarded.**

# Step 2

Place the sample in a 1.5 ml sterile centrifuge tube, add 500 μl Buffer GL, and then add 50 μl Buffer GP. Vortex violently for 10 sec.

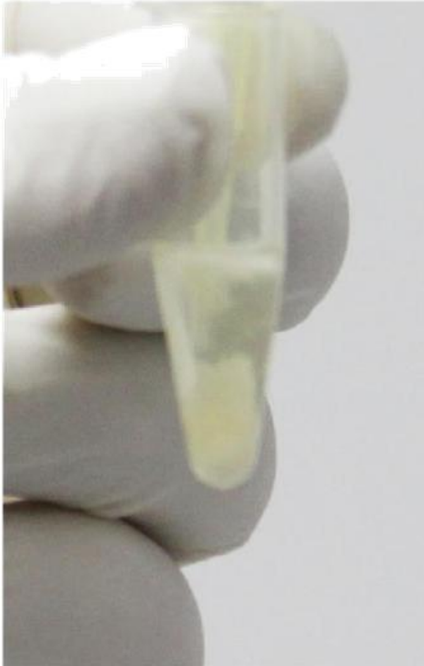
# Step 3

Incubate at 98 ℃ for 30 min, mix well upside down for 3 times during the period, until the sample is completely dissolved.

# Step 4

Centrifuge at 12,000 rpm (~13,400 g) for 5 min

# Step 5



Pipette the water phase clear liquid of the middle layer along the tube wall with 200 μl tip into the new centrifugal tube

(The upper layer is a mixture of paraffin and protein, while the lower layer is a little impurity precipitation. If the layering is not complete, the centrifugation time can be prolonged until the upper layer is separated from the aqueous phase clear liquid.).

# Step 6

Add twice volume of 96-100% ethanol

Mix well and let it stand for 3 minutes

# Step 7

Transfer the solution and flocculent precipitate from the previous step to Spin Column CR2.Centrifuge at 8,000 rpm（~6,000×g）at room temperature for 2 min, discard the waste liquid in the collection tube and place the Spin Column CR2 into the collection tube.

# Step 8

Add 500 μl Buffer GD to Spin Column CR2.

Centrifuge at 8,000 rpm（~6,000×g）at room temperature for 1 min, discard the waste liquid and place the Spin Column CR2 into the collection tube.

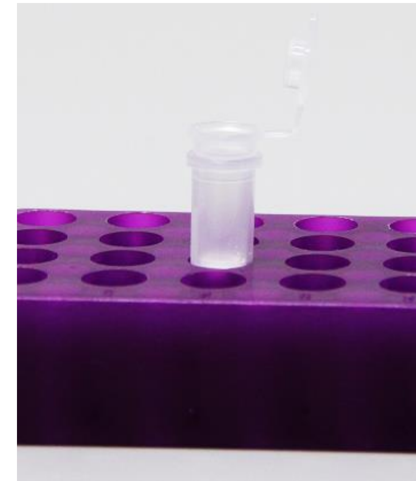
# Step 9

Add 600 μl Buffer PW to Spin Column CR2.

Centrifuge at 8,000 rpm（~6,000×g）at room temperature for 1 min, discard the waste liquid and place the Spin Column CR2 into the collection tube.

## Step 10 Repeat step 9.

# Step 11

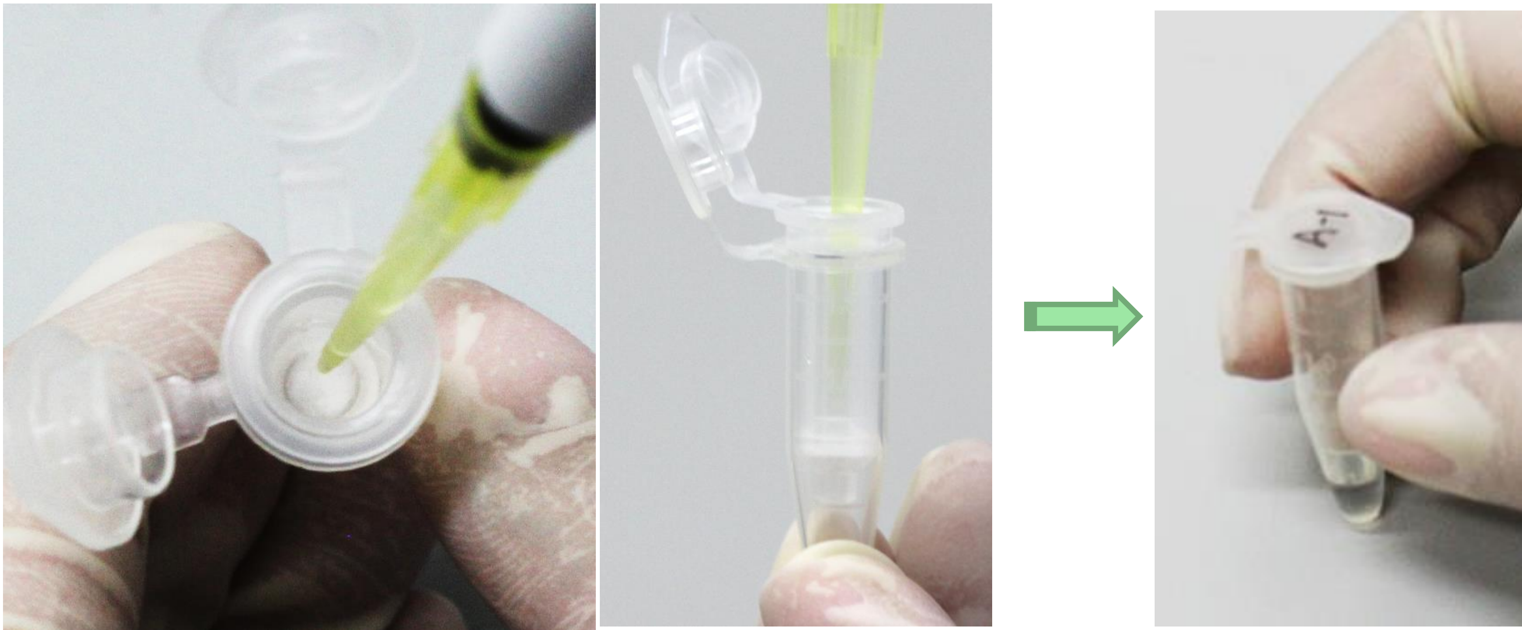


Centrifuge at 12,000 rpm (~13,400×g) for 2 min, and discard the waste liquid.

Place the Spin Column CR2 at room temperature for 2-5 minutes to completely dry Buffer PW in the membrane.

**Note: Ethanol residues in Buffer PW can inhibit subsequent enzymatic reactions (restriction enzyme digestion, PCR, etc.) experiments.**

# Step 12




Transfer the Spin Column CR2 into a 1.5 ml centrifuge tube, and add 65℃ preheated 30-100 μl Buffer TE or $ddH_2O$ to the middle of the adsorption membrane. Placed at room temperature for 2-5 min and centrifuge at 12,000 rpm (~13,400×g) for 2 min to collect the solution into the centrifuge tube. The purified DNA can be stored at -20℃.