(DP304) TIANamp Genomic DNA Kit

—Animal Tissue

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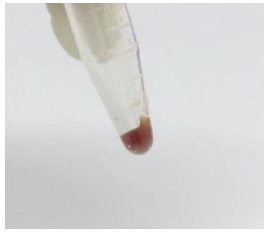
Ver. No. 20170328

Experiment Preparation

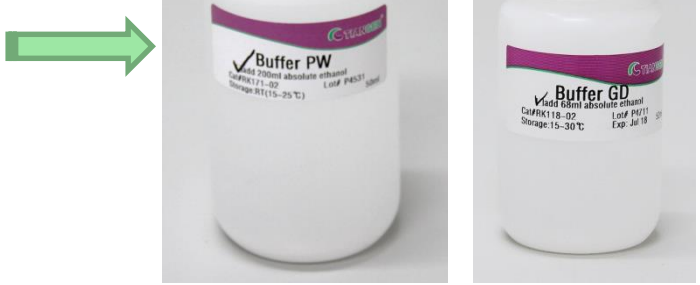
1. Rat hepatic 10-30 mg; Grinder
2. Pipette and matched sterile tips (10 μl, 200 μl, 1 ml); 1.5 ml centrifuge tubes
3. PBS solution, 96-100% ethanol
4. Vortex oscillator; Dry bath/water bath; Centrifuge



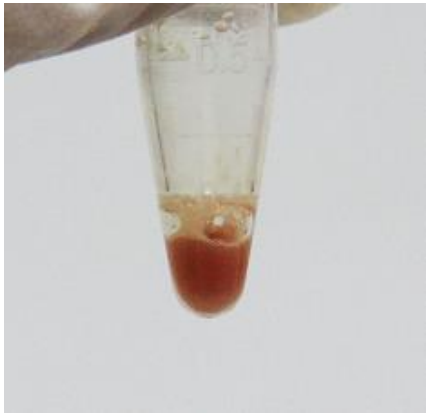


Experiment Preparation - Kit Preparation

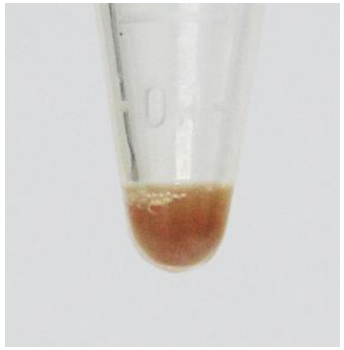
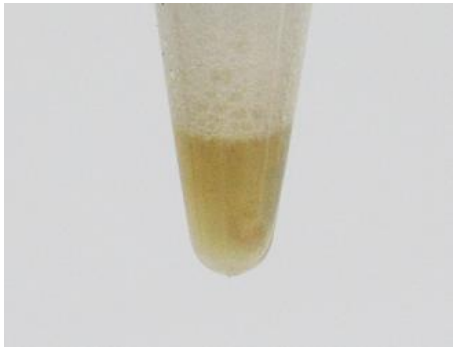
Please add 96-100% ethanol in Buffer PW and GD before use according to the volume indicated on the label of the bottle.



Step 1

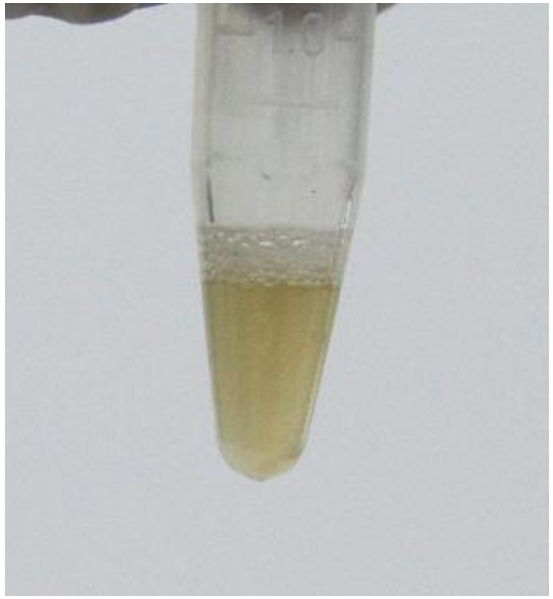



Add PBS (about 50 μl) to the sample, and break into cell suspension with a tissue grinder

Centrifuge at 10,000 rpm (~11,500×g) for 1 min, and remove supernatant. Add 200 μl Buffer GA and mix thoroughly by vortex.

Step 2



Add 200 μl Buffer GB and 20 μl Proteinase K, and mix well upside down.

Step 3

Place it at 70℃ for 10 min, and the solution should be clear. Briefly centrifuge to remove water drops of the cap and inner wall.

Step 4

Add 200 μl 96-100% ethanol, mix thoroughly by vortex for 15 sec, there may be flocculent precipitate at this time. Briefly centrifuge to remove water drops of the cap and inner wall.

Step 5

Transfer the solution and flocculent precipitate from the previous step to Spin Column CB3.

Centrifuge at 12,000 rpm (~13,400×g) for 30 sec, discard the waste liquid in the collection tube and place the Spin Column CB3 into the collection tube.

Step 6

Add 500 μl Buffer GD to Spin Column CB3

Centrifuge at 12,000 rpm (~13,400×g) for 30 sec, discard the waste liquid in the collection tube and place the Spin Column CB3 into the collection tube.

Step 7

Add 600 μl Buffer PW to Spin Column CB3 (ensure 96-100% ethanol has been added before use).

Centrifuge at 12,000 rpm (~13,400×g) for 30 sec, discard waste liquid in the collection tube and place the Spin Column CB3 into the collection tube.

Step 8 Repeat step 7.

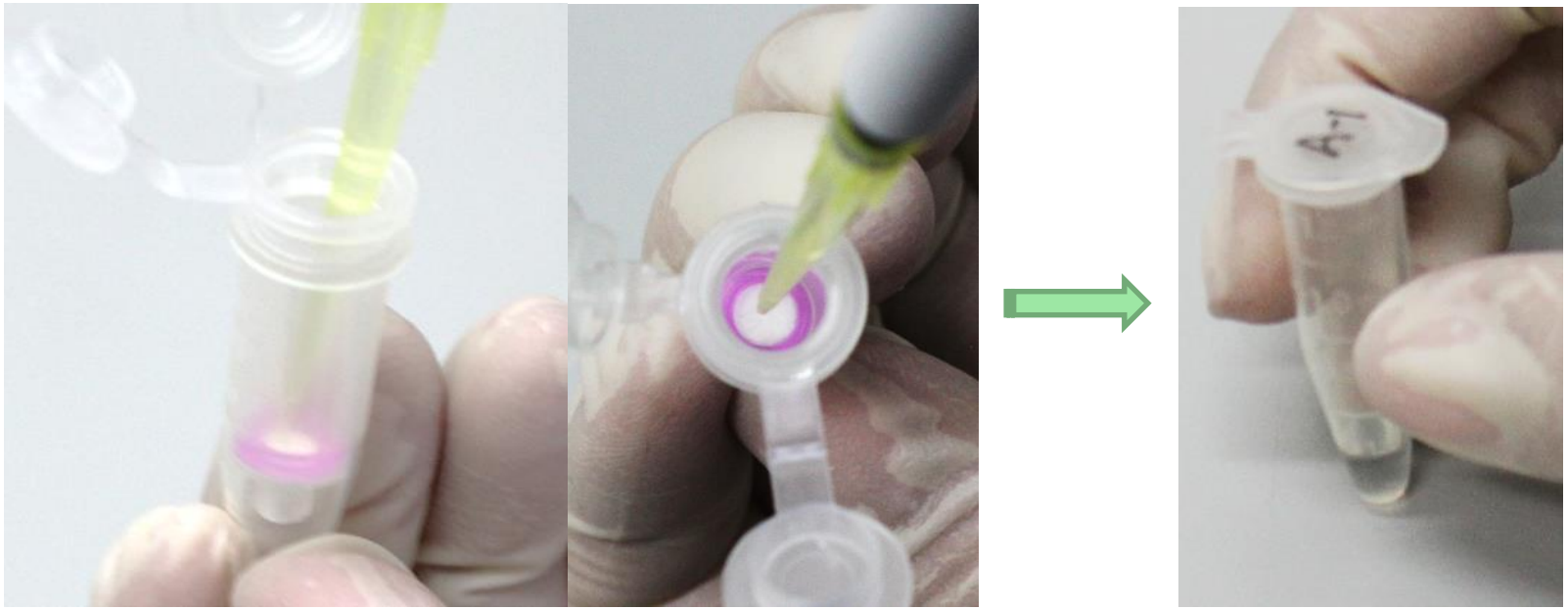
Step 9

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

Place the Spin Column CB3 at room temperature for 2 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 10



Transfer the Spin Column CB3 into a 1.5 ml centrifuge tube, and add 50-200 μl Buffer TE to the middle of the adsorption membrane. Place at room temperature for 2 min and centrifuge at 12,000 rpm (~13,400×g) for 2 min to collect the solution into the centrifuge tube.