# Protocol for Gel Purification with Tiangen Gel Extraction Kit

Excise the DNA fragment from the agarose gel with a clean shaver blade;

Weigh the gel slice in a 1.5ml microcentrifuge tube. Add 3 volumes of Buffer PN to 1 volume of gel;

Incubate at 65°C for 10 min (or until the gel slice has completely dissolved). To help dissolve gel, mix by inverting the tube several times every 2–3 min during the incubation;

Add 500ul buffer BL to a column, centrifuge at 12000rpm for 1 min and discard flow-through before use to maximally activate the column;

After the gel slice has dissolved completely, wait until the sample returns to room temperature and apply the sample to the column, let stand for 2min;

Centrifuge at 1200rpm for 1 min and discard the flow-through;

Wash the column by adding 600ul buffer PW and centrifuging for 60s. Discard the flow-through;

Repeat the last step;

Centrifuge for 2 min to remove the residual wash buffer;

Place the column in a clean 1.5ml microcentrifuge tube and add 30-40ul buffer EB to the center of the column; Let stand for 2min and centrifuge for 2min;