# NAP-Genomic DNA

### 1. Why was the genomic DNA recovery quantity low?

Possible causes are as below. First of all, the sample was not fresh, thus causing the cells to die and the degradation of genomic DNA. Further, the operation steps were not executed solidly; the sample was not fully lysed. Last, the elution buffer (pH7.0, it can be pre-heated at 60°C; place in the oven at 60°C for 10 minutes when performing elution).

### 2. Why was the RNA contamination present?

Please use RNase A to remove RNA.

### 3. Why was the Inhibition of downstream enzymatic reactions present?

It indicated the residual presence of alcohol. Place the column in the oven at 60°C for 10 minutes.

### 4. Why was the column clogged?

The sample was added excessively, causing the lysis step to be executed incompletely. When sucking the supernatant, avoid taking in the impurities.