NZY Tissue gDNA Isolation kit

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Support protocol for isolating genomic DNA from dried blood spots (e.g. FTA® cards)

1. Sample preparation

Cut out one or two dried blood spots. Cut spots into small pieces (area of the dried blood spots should be between 15 and 30 mm^2) and place them in a 1.5 mL microcentrifuge tube.

2. Pre-lysis of sample

Add 180 µL Buffer NT1 to the sample. Mix thoroughly by vortex.

Incubate at 94°C for 10 min, in a water bath or heating block. Let the sample cool down.

Add 25 µL Proteinase K solution. Spin the samples briefly, vortex and incubate at 56°C for 1 h. Vortex occasionally during incubation.

Note: *The samples should be completely covered with lysis buffer during incubation.*

3. Lysis of sample

Add 200 µL Buffer NL to the sample and mix by vortex. Incubate at 56°C for 10 min.

Note: *Mix Buffer NL thoroughly by shaking before use.*

Proceed with step 5 of the standard protocol.