

**QIAwave DNA Blood & Tissue Kit
(QIAGEN)**



**NucleoSpin Tissue Kit
(MACHEREY-NAGEL)**

1

Cut up to \approx **2-10 mg** de tissue
Store at
 $+4^{\circ}\text{C}$ for quick use ($< 8\text{h}$) or at
 -20°C for further use ($> 8\text{h}$)

Prepare sample

Cut up to \approx **2-10 mg** de tissue
Store at
 $+4^{\circ}\text{C}$ for quick use ($< 8\text{h}$) or at
 -20°C for further use ($> 8\text{h}$)

2

Prepare the lysis mixture
Per sample: **180 μL ATL + 20 μL proteinase K**
Add lysis mixture
200 μL / sample
Incubate 56°C - 2h to overnight

Lyse sample part. 1

Prepare the lysis mixture
Per sample: **180 μL T1 + 25 μL proteinase K**
Add lysis mixture
205 μL / sample
Incubate 56°C - 2h to overnight

3

Prepare buffer & ethanol mixture
Per sample: **200 μL AL + 200 μL eth 96%**
Add buffer and ethanol mixture
400 μL / sample

Lyse sample part. 2
&
Adjust DNA
binding conditions

Prepare buffer & ethanol mixture
Per sample: **200 μL B3 + 210 μL eth 96%**
Add buffer and ethanol mixture
410 μL / sample

4

Transfert the sample to
the DNAeasy Mini Spin column
Centrifuge: **6000 x g - 1 min**
Discard the follow-through

Bind DNA

Transfert the sample to
the NucleoSpin Tissue column
Centrifuge: **11000 x g - 1 min**
Discard the follow-through

5

1st wash: **500 μL AW1 + 6000 x g - 1 min**
2nd wash: **500 μL AW2 + 19000 x g - 2 min**
Dry: **19000 x g - 1 min**
Between each centrifugation discard the
follow-through

Wash
&
Dry silica membrane

1st wash: **500 μL BW + 11000 x g - 1 min**
2nd wash: **600 μL B5 + 11000 x g - 1 min**
Dry: **11000 x g - 1 min**
Between each centrifugation discard the
follow-through

6

Place column in a annotated clean 2 mL tube
Add: **100 μL AE**
Incubate at room temperature - 1 min
Centrifuge: **6000 x g - 1 min**
Discard column

Elution

Place column in a annotated clean 2 mL tube
Add: **100 μL EB**
Incubate at room temperature - 1 min
Centrifuge: **11000 x g - 1 min**
Discard column

7

Use a few days: $+4^{\circ}\text{C}$
Use within a few weeks: -20°C
Use term storage: -80°C

DNA storage

Use a few days: $+4^{\circ}\text{C}$
Use within a few weeks: -20°C
Use term storage: -80°C

8

NanoDrop measurement
Qubit measurement

DNA quantification
&
DNA quality control

NanoDrop measurement
Qubit measurement