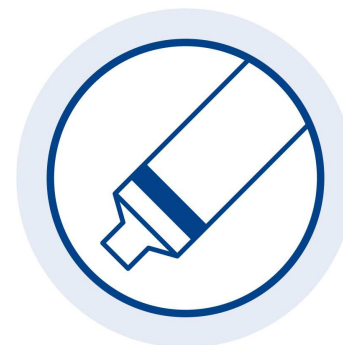


NucleoSpin® DNA Forensic – Support Protocol - Bones

Protocol Details

Application	DNA from bones and teeth	
Kit	NucleoSpin® DNA Forensic	
REF	740840 (.10/ .50/ .250)	
Protocol name	Support Protocol – bones and teeth	Rev03



Protocol Steps

Steps	Procedure
1. Prepare sample	Mill up to 150 mg of bone or teeth to a fine powder.
2. Pre-lyse sample	Add 200 µL buffer (0.5 M EDTA/ 0.25 M PO ₄ ³⁻ , pH 8) and 700 µL Buffer T1 and 20 µL Proteinase K solution. Vortex to mix. Incubate at 56 °C overnight. Afterwards incubate sample for 48 h at 10 °C on a shaking incubator
3. Lyse sample	Vortex the samples. Add 800 µL Buffer B3, vortex vigorously and incubate at 70 °C for 10 min. Vortex briefly. Centrifuge for 10 min at 5,000 x g and transfer the supernatant to a new micro-centrifuge tube.
4. Adjust DNA binding conditions	Proceed with 800 µL of the cleared lysate in a new microcentrifuge tube. Add 1160 µL Binding Buffer FOB. Vortex briefly.
5. Bind DNA	Load 700 µL lysate to the NucleoSpin® Forensic column Centrifuge 1 min at 11,000 x g. Repeat this step twice.
6. Wash silica membrane	Proceed with step 4 of the NucleoSpin® DNA Forensic user manual

Additional Equipment

Equipment	Content	REF
NucleoSpin®	2 x 100 mL Buffer T1	740943.25
DNA Trace	4 x 60 mL Buffer B3	
Bone Buffer Set	1 x 1.8 mL Proteinase Buffer PB 1 x 30 mg Proteinase K (lyophilized)	
Buffer FOB	1 x 100 mL Buffer FOB	740841.100

Trademarks

NucleoSpin® (MACHEREY-NAGEL),



MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6–8 · 52355 Düren · Germany

DE / International:

Tel.: +49 24 21 969-0
Fax: +49 24 21 969-199
E-mail: info@mn-net.com

CH:

Tel.: +41 62 388 55 00
Fax: +41 62 388 55 05
E-mail: sales-ch@mn-net.com

FR:

Tel.: +33 388 68 22 68
Fax: +33 388 51 76 88
E-mail: sales-fr@mn-net.com

US:

Tel.: +1 484 821 0984
Fax: +1 484 821 1272
E-mail: sales-us@mn-net.com