



**GRS Genomic DNA Kit – Tissue –  
#GK03.0100 (100 preps)  
(FOR RESEARCH ONLY)**

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**SUGGESTED PROTOCOL FOR DNA PURIFICATION FROM SOIL**

- 1) Transfer up to 30mg of soil into a 1,5-ml microcentrifuge tube.
- 2) Add 200µl of **Lysozyme Buffer\*** (**not included, recipe below**) and homogenize by vortexing vigorously and/or grinding using the micropestle.
- 3) Incubate at room temperature for 20 minutes. During incubation, invert the tube regularly.
- 4) Proceed with the Lysis steps (from step 3 of the protocol for the DNA purification from tissue) and increase the temperature to 70°C or 95°C for difficult samples such as Gram-positive bacteria.

*Lysozyme Buffer: 20mg/ml Lysozyme in 20mM Tris-HCl, 2mM EDTA, 1% Triton X-100; freshly prepared prior to use.*