

## NZY Soil gDNA Isolation Kit

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### Support Protocol for the isolation of genomic DNA from Water Samples

NZY Soil gDNA Isolation kit is suitable for the genomic DNA isolation from water samples, which were filtered using 25 mm filter membranes.

#### 1. Sample preparation

- 1.1 Filter water sample through a 25 mm membrane filter using an appropriated filtration device.
  - 1.2 Remove the filter membrane from filtration device and roll it into a cylinder (top side facing inwards). Insert it into a NZYSpin Soil bead tube.
  - 1.3 Add 700  $\mu$ L Buffer NSL1 or Buffer NSL2.
  - 1.4 Add up to 150  $\mu$ L of NS Enhancer Buffer to the tube and close the cap.
- Note:** *not recommended for water samples with a high concentration of humic acids.*
- 1.5 Put the NZYSoil bead tube horizontally in a vortex (by taping or using an adapter). Vortex at full speed for 5 min at room temperature.

Proceed with step 3 of the standard protocol.