

# LifeGuard<sup>®</sup> Soil Preservation Solution

The LifeGuard Soil Preservation Solution can be stored at room temperature (15–25°C) until the expiry date printed on the box label.

## Further information

- Safety Data Sheets: [www.qiagen.com/safety](http://www.qiagen.com/safety)
- Technical assistance: [support.qiagen.com](mailto:support.qiagen.com)

1. Add 2–2.5 volumes of LifeGuard Soil Preservation Solution per 1 g of soil. If collecting the soil directly in an RNeasy<sup>®</sup> PowerSoil<sup>®</sup> 15 ml PowerBead Tube, add 5 ml of LifeGuard Soil Preservation Solution to 2 g of soil.  
**Note:** If you are working with sediment samples, use 3 volumes of LifeGuard Soil Preservation Solution per gram of wet sample weight.
2. Vortex or hand-mix the solution and soil until the entire sample is saturated with solution. Excess LifeGuard Solution should be on top of the soil sample.
3. Store at room temperature, at 4°C or at –20°C. When ready to process the RNA, centrifuge sample at 2500 x g for 5 min to collect the soil. Remove the LifeGuard Solution from the tube.
4. If you collected soil directly in an RNeasy PowerSoil 15 ml PowerBead Tube, you can remove the LifeGuard Solution after centrifugation and continue from Step 2 of the RNeasy PowerSoil Total RNA Isolation Kit protocol.
5. If you stabilized soil in another vessel, weigh the amount of soil you need and transfer to an RNeasy PowerSoil 15 ml PowerBead Tube, or a conical tube, and then centrifuge to remove the LifeGuard Solution.

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