

FAQs – Technical Questions

- How much LifeGuard Solution do I need to add to my soil samples?
 - For most normal soils with low water content, 2 ml of solution for every 1 gram of soil is sufficient. For sediment samples, a 2:1 ratio may be used however samples should be kept at 4°C. For room temperature storage of sediment, we recommend a 3:1 ratio to prevent over dilution of the LifeGuard.
- How long can I store my samples at ambient temperature?
 - This may vary depending upon the amount of biomass in your soil sample. Mo Bio recommends not more than 2 weeks for most samples.
- What about 37°C storage?
 - The LifeGuard solution is bacteriostatic. At 37°C the sample may not remain in stasis.
- Can I use LifeGuard for DNA isolation?
 - Yes. We have tested it with PoweSoil DNA Kit and have customers currently testing it. A DNA application note will be forthcoming. It is also currently being evaluated for stool samples, algae, and biofilms for RNA and DNA.