



Cal Poly San Luis Obispo

Introduction

This case study of Cal Poly San Luis Obispo is based on a February 2019 survey of PowerSoil Pro customers by TechValidate, a 3rd-party research service.



“I am planning to switch to the DNeasy PowerSoil Pro Kit for future projects.”

Challenges

The business challenges that led the profiled organization to evaluate and ultimately select DNeasy PowerSoil Pro:

- Before trying the DNeasy PowerSoil Pro, they typically used Zymo to isolate DNA from soil
- When isolating DNA using Zymo, they faced challenges with the following:
 - Difficult to lyse the microbes in a sample

Use Case

The key features and functionalities of DNeasy PowerSoil Pro that the surveyed organization uses:

- Tested soil with the DNeasy PowerSoil Pro Kit.
- Their application downstream of DNA isolation:
 - 16S or ITS sequencing

Results

The surveyed organization achieved the following results with DNeasy PowerSoil Pro:

- How the DNeasy PowerSoil Pro Kit solved their problems:
 - Faster protocol
 - Easier protocol

Organization Profile

Organization:
Cal Poly San Luis Obispo

Industry:
Educational Institution

About PowerSoil Pro

Extracting microbial DNA from soil samples can be challenging. QIAGEN's new DNeasy PowerSoil Pro Kit is even more effective than our original PowerSoil technology at isolating high yields of pure microbial DNA from all soil types, including compost, clay and top soil. The kit features a novel bead tube and optimized chemistry for more efficient lysis of soil bacteria and fungi. The kit also contains streamlined Inhibitor Removal Technology (IRT) to eliminate the challenging inhibitors commonly found in soil and environmental samples in even less time. Sequencing results reveal higher alpha diversity as measured by observed operational taxonomic units (OTUs) compared to other tested methods.

Learn More:

[QIAGEN](#)

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