

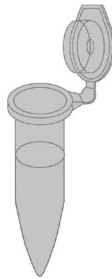
## Instructions for Sample Preparation: DNA Extraction

Pure cultures are essential for microbial identification when submitting samples for 16S Sequencing for Bacterial Isolates and ITS2 Sequencing for Fungal Isolates. Simply follow the DNA extraction procedure below, and send us your samples in microcentrifuge tubes.

# Sample Prep

### 1. Complete the Identification Request Form (IRF)

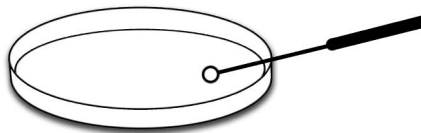
- On each microcentrifuge tube, attach a label with the Sample ID number corresponding to the IRF.



### 2. Prepare tube and harvest sample

- Aliquot 100µL of PrepMan® Ultra Sample Preparation Reagent into each tube.
- Using a sterile inoculation loop, harvest a generous loopful of pure isolated colonies from the growth plate and suspend in the microtube. Vortex for 15 seconds.

*Note: Avoid obtaining too much agar.*



### 3. Heat sample

- Heat microtube at 95°C for a minimum of 10 minutes in a water bath or heat block.
- Let the sample cool, then enclose microtube in a secondary container (zip closure plastic bag).

### 4. Ship at ambient temperature with IRF

- Parafilm tubes to prevent caps from opening during transit, then place in a ziplock bag and shipping box. Add foam or bubblewrap to prevent shifting during transport.



- Refer to the Accugenix Shipping Guide for specific labeling and documentation required before shipping.

#### Material Recommendations

Item	Supplier	Product #
1.5mL Eppendorf Safe-Lock microcentrifuge tube (500 Pack)	Eppendorf	022363212
0.5mL Eppendorf Safe-Lock microcentrifuge tube (500 Pack)	Eppendorf	022363719
PrepMan Ultra Sample Preparation Reagent (100 preps)	Applied Biosystems	4318930

*Contact your laboratory supply representative for assistance in obtaining needed materials.*



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