

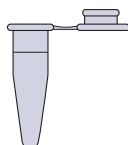


Instructions for Sample Preparation: DNA Extraction

Pure cultures are essential for microbial identification when submitting samples for Accugenix® 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.

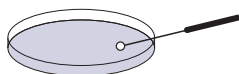
1. Complete the Identification Request Form (IRF).

On each microcentrifuge tube, attach a label on the lid or near the top of the tube with the sample ID number corresponding to the IRF.



2. Prepare tube and harvest sample.

- Aliquot 100 μ L 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. 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 (ziplock bag).

4. Ship to Charles River with IRF.

- Close the cap to all samples, then apply Parafilm® to tubes to prevent the caps from opening during transit. To keep the tubes from being crushed during transport, place padding around the samples. Place the samples into a plastic zip bag, then insert the IRF and bagged samples into an air cushioned envelope for transport.
- Refer to the Charles River Shipping Guide for specific labeling and documentation required before shipping.

Identification Request Forms and additional information about our services and capabilities can be found online at www.criver.com/accugenix.

Material Recommendations

Item	Supplier	Product #
1.5 mL Eppendorf® Safe Lock Tubes™	Eppendorf®	022363212
0.5 mL Eppendorf® Safe Lock Tubes™	Eppendorf®	022363719
PrepMan® Ultra Sample Preparation Reagent (100 preps)	Applied Biosystems®	4318930

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

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