

Revised 04/20/15

Fecal Sample Collection and Shipping SOP for Microbiome Analysis

Mouse/Rat Fecal Sample Collection

Following is the procedure for collection of murine fecal samples to be used for characterization of the fecal microbiota via 16S rRNA sequencing.

Materials:

- Sterile toothpicks
- Autoclaved microisolator cages (completely empty)
- Sterile 1.5 mL Eppendorf tubes

Procedure:

1. Pre-label Eppendorf tubes (one per mouse/rat).
 - a. Sample ID (minimum)
 - b. Treatment group, if applicable
 - c. Any other metadata you would like associated with the sample
2. Place individual animal in empty autoclaved cage (no bedding).
3. Allow mouse/rat to defecate normally and collect the first two fecal pellets per animal into an empty 1.5 mL Eppendorf tube using a sterile toothpick. Close tube securely. Discard toothpick after each animal.
4. Place Eppendorf tube containing fecal pellets in -80°C freezer **IMMEDIATELY**.
5. Maintain samples at -80°C until ready to ship. Samples may remain at -80°C for extended periods.
6. Ship samples overnight with sufficient dry ice (2-3 day transport time) to insure the samples stay frozen.

Note: We recommend collection of all samples at the same time of day, preferably in the morning, as the microbiome content varies over the course of the day.

Ship samples to:

IDEXX BioResearch

Attn: Lela Riley

4011 Discovery Drive

Columbia, MO 65201

Call 800-669-0825 or email IDEXX BioResearch if you have questions about sample collection, storage or submission.

DEXX BioResearch North America

1-800-544-5205, option 1
idexxbioresearch.com
bioresearch-us@idexx.com



Shipping address:

IDEXX RADIL
Discovery Ridge
4011 Discovery Drive
Columbia, MO 65201

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