

# COLLECTING CUTTINGS SAMPLES IN ISOJARS®

## Cuttings Samples with OIL-BASED or WATER-BASED MUD for Headspace Analysis

1. Identify when/where you will take the sample.
2. Cut a thin slice (like a cake) and place it in the Isojar. The sample should be approximately 2 cups in volume.
3. Add water to the Isojar up to the maximum fill line. **DO NOT COMPLETELY FILL THE ISOJAR**, as the headspace gap is required for the analysis.
4. Add 10 drops of the dilute bactericide (benzalkonium chloride) to the Isojar.
5. Screw the lid on as tightly as possible.
6. Tape the lid CLOCKWISE to keep it tight and prevent it from vibrating it loose during shipment.

## Cuttings-Only Samples

1. Take your cuttings from the shale shaker.
2. Place cuttings in a sieve of the correct size and dip in clean oil-based mud. If using water-based mud, you may rinse the cuttings with water.
3. Place the cuttings in the Isojar. The sample should be approximately 2 cups in volume.
4. Add water to the Isojar up to the maximum fill line. **DO NOT COMPLETELY FILL THE ISOJAR**, as the headspace gap is required for the analysis.
5. Add 10 drops of the dilute bactericide (benzalkonium chloride) to the Isojar.
6. Screw the lid on as tightly as possible.
7. Tape the lid CLOCKWISE to keep it tight and prevent it from vibrating it loose during shipment.

## Recording Sample Information and Packaging for Shipping

1. Fill out the label on the outside of the Isojar with all relevant sample data (well name, depth, date, etc).
2. Complete the log sheet included with the Isojars in each box. Include all relevant sample data and company contact information.
3. After the Isojars are tightly sealed and taped, place them **upside down** in the original shipping box. If any leaks are detected, transfer the sample to a new Isojar.
4. Thoroughly seal the box with tape.

## Sample and Jar Storage

- Isojars and samples should be stored between 60°F and 80°F (15°C to 27°C)
- Isojars are guaranteed for 1 year from the date shipped from Isotech when stored and handled appropriately.
- In situations where the Isojars may not have been handled or stored properly, the customer is advised to evaluate the product for conformity and suitability for use.