

Procedure for Taking Cuttings Samples with OIL BASED MUD In IsoJars® for Head Space Analysis

1. Identify when and where you will collect the sample
2. Cut a thin slice like a cake and place in the jar (approximately 2 cups)
3. Add 10 drops of the dilute bactericide, Benzalkonium Chloride, to the jar.
4. Screw the lid on as tight as possible.
5. Tape the lid to keep it tight and from vibrating loose during shipment. Tape in same direction (clockwise) that the lid is screwed on.

Procedure for Taking Cuttings Samples with WATER BASED MUD In IsoJars® for Head Space Analysis

1. Identify when and where you will collect the sample
2. Cut a thin slice like a cake and place in the jar (approximately 2 cups)
3. Add water to reach the line on the label.
4. **Do not fill** the jar with water as the headspace gap is needed to allow gas to desorb into the gap.
5. Add 10 drops of the dilute bactericide, Benzalkonium Chloride, to the jar.
6. Screw the lid on as tight as possible.
7. Tape the lid to keep it tight and from vibrating loose during shipment. Tape in same direction (clockwise) that the lid is screwed on.

Procedure for Taking Cuttings only Samples In IsoJars®

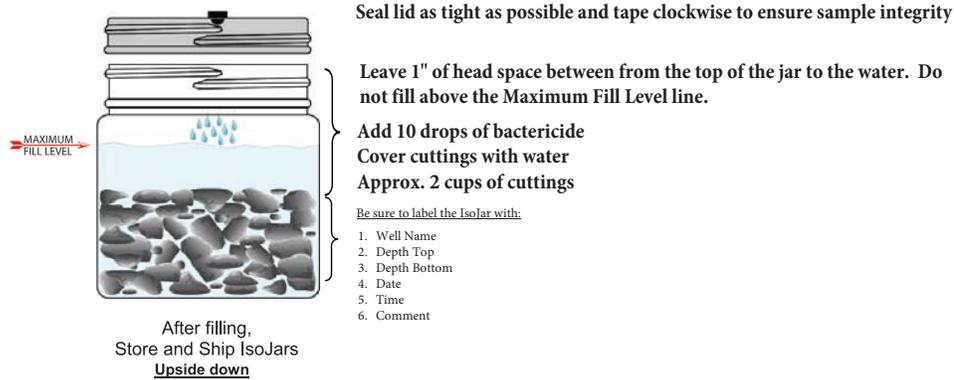
1. Take cuttings from the shale shaker.
2. Place on sieve of correct size and dip in clean oil based mud. If using water based mud you may rinse with water.
3. Put cuttings in jar (approximately 2 cups).
4. Only add water to reach the line on the label.
5. **Do not fill** the jar with water as the headspace gap is needed to allow gas to desorb into the gap.
6. Leave about a **1-inch gap** between the water and top of the jar.
7. Add 10 drops of the dilute bactericide, Benzalkonium Chloride, to the jar.
8. Screw the lid on as tight as possible.
9. Tape the lid to keep it tight and from vibrating loose during shipment. Tape in same direction (clockwise) that the lid is screwed on.

Recording Sample Information

1. Record sample identification information on the jar label

The following is an example of the label on the jar—complete the label with all information available.

	WELL NAME: _____	→ MAXIMUM FILL LEVEL →
	DEPTH TOP: _____	
	DEPTH BOTTOM: _____	
	DATE: _____	
	TIME: _____	
	COMMENT: _____	



Packaging Samples

1. After jars 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®.**
2. Complete the log sheet included in each box. List the samples being shipped in the box by **Well Name, Depth (ft. or m.), Date, Time (24-hour scale), Company/Contact and Operator.**
3. Thoroughly seal the box with tape.

Sample and Jar Storage

1. Jars are guaranteed for 1 year from the shipment date from Isotech
2. Jars and samples should be stored between 60°F and 80°F
3. In situations where the product may not have been handled or stored properly, the customer is advised to evaluate the product for conformity and suitability for use.