



**ULTRATECH**  
INTERNATIONAL, INC.

# Instructions

Part# 5234

## Ultra-Archaea Booms<sup>®</sup>

Ultra-Archaea Booms are designed to be applied directly to any water system that requires bioremediation (catch basins, containment sumps, drain inlets, etc.). For best effect, the microbes should be applied upstream of the affected area.

Tether the Ultra-Archaea Boom to a stationary retrieval point. The Ultra-Archaea Boom will float on the surface of the water and move with the current (if any). The Ultra-Archaea tablets inside of the boom will slowly dissolve into the water stream and begin the bioremediation process. The tether then serves as a device to retrieve the Ultra-Archaea for inspection (to see if any Ultra-Archaea tablets remain) or for removal and replacement.

The oil absorbing foam the Ultra-Archaea Boom is made of absorbs the oil into the foam where the Ultra-Archaea can begin the bioremediation process. The floating boom keeps the microbes at the surface and in constant contact with the oil.

### Precautions:

- + Store Ultra-Archaea Booms between 40°F and 120°F. Temperatures outside that range may cause the microbes to become ineffective.
- + Ultra-Archaea require a food source (any organic material, such as hydrocarbons, vegetative waste, sewage, fats, oils, grease, etc.), oxygen, and water/moisture to stay alive. Loss of any one of these three will cause the microbes to die off.
- + Ultra-Archaea colonies will naturally degrade in approximately 90 days.
- + Ultra-Archaea should not be exposed to radiation. This may cause the microbes to die.
- + Ultra-Archaea work best in applications where the pH is between 5.0 and 10.0.

For maximum results, ensure that the microbes continue to receive oxygen (via an bubbler, occasional stirring or oxygen tablets) and are kept moist. Failure to keep the microbes moist will cause the colony to die out. The microbe colonies will live up to 90 days as long as there is a food source available for them to eat. Once the food source has been consumed, they will naturally die out.

Note: In some cases where there is constant addition of organic material, or where organic levels are very high, it may be necessary to add more Ultra-Archaea at staggered time intervals to boost the colonies and their power to consume more waste.

Disclaimer: Ultra-Archaea are not a universal solution for all oil related clean-up applications. It is most effective when the amount of oil is lighter and more of a sheen. Thick layers of oil will require increased amounts of microbes and time to have any noticeable effect. We recommend you contact UltraTech or your local representative/distributor to learn more if your application is a good fit for Ultra-Archaea.





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