## Acid Mine Drainage Simulant Recipe

**Supplies:**

* 200ml Distilled Water (room-temp)
* 1 teaspoon of citric acid food preservative\*  
  \*Citric acid food preservative can be found in the canning section of most grocery stores or can be easily ordered online and cheaply delivered.
* pH probe or pH indicator or indicator strips (for pH 2-7 range)

**Directions:**

1. Mix 1 teaspoon of citric acid powder into 200ml of distilled room temperature water.
2. Stir until completely dissolved. (This should make a nearly saturated solution)
3. Confirm the resulting pH of this solution should be about 2.4.
4. Set aside for lab, gently stir again before use.

*Model construction and development by Ryan Hollister*