

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.