Name: _____ Group: _____ Date: _____

LAB 47
TECHNIQUE

DETECTING CALCIUM

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Goal

Apply a technique to determine if a food or a solution contains calcium.

Materials

- 2 test tubes (15 mm × 125 mm)
- test-tube rack
- marker
- dropper bottle of distilled water
- dropper bottle of calcium salt solution
- dropper bottle of ammonium oxalate solution

Procedure

1. Number the test tubes 1 and 2 with the marker.
2. Add 20 drops of distilled water to test tube 1.
3. Add 20 drops of calcium salt solution to test tube 2.
4. Add 10 drops of ammonium oxalate solution to each test tube.
5. Observe the contents of the test tubes and record your observations.
6. Clean up and put away materials.

Results

Record your observations in the table below. Give the table a title.

Title:

Test tube	Substances in test tube	Observations

Name: _____ Group: _____ Date: _____

Reflecting on the lab technique

1. What category of nutrient are calcium and calcium salt?

_____

2. What indicator is used to detect calcium?

_____

3. How is the presence of calcium in a food or a solution confirmed using this indicator?

_____

_____

4. Why is a test tube containing only distilled water and the indicator prepared?

_____

_____

5. Are the results you obtained conclusive? If not, what are the possible sources of error?

_____

_____