1. Combine 2 ml lactase enzyme with 6 ml sodium alginate solution. Close tube and shake well to mix.

2. Using a transfer pipette, add the lactase/alginate mixture, one drop at a time, to a cup of calcium chloride.

3. Using a new cup, separate the beads from the calcium chloride with a coffee filter. Return the calcium chloride solution to the instructor.

4. Scoop the beads into an empty cup, and then add milk.

5. Test the milk. Was the experiment a success?