

Hands-on at Home | Plastic Milk

Follow the instructions below to recreate plastic milk at home from start to finish in this fun hands-on experiment!

SUPPLIES

- 1 Cup | Milk
- Access to a Microwave
- 4 Tablespoons | White Vinegar
- Stirring Utensils
- Strainer/Paper Towels
- Small Bowls/Food Coloring/Cookie Cutters
- Measuring Tools/Mixing Bowl

DIRECTIONS

- Heat milk in the microwave for 1 minute. You want the milk hot, but not boiling.
- Stir in the white vinegar; stir the mixture for 1 minute. You will see the milk separate and form clumps.
- Pour the milk mixture through a strainer to separate the liquids from the solids.
- Transfer the solids to some paper towels and continue to push the liquid out of it (the drier your solids, the stronger your plastic will be).
- You can now either mold your white plastic, or you can separate into several bowls and add a few drops of food coloring to each. Mix the colors in and form your plastic into a shape.
- To shape your plastic form the clumps into a ball and gently flatten. Use a cookie cutter or your fingers to create a shape. Let the plastic dry for several days to fully harden.

WARNING

Make sure that you have adult supervision before starting this activity!

CLEAN UP

The leftover liquids from your milk mixture can be rinsed down the drain.