

# HOW TO!

## SCIENCE EXPERIMENT - COLOUR MILK

### Instructions:

1. Place the milk onto the plate, just enough to cover the bottom of the plate/container.
2. Place a few drops of food colouring in the milk, and put a few drops of different colours in various places (close to the center but not touching).
3. Hold a clean Q-tip and touch the center of the milk. It is important to not stir the mix.
4. Now place a drop of liquid dish soap on the other end of the Q-tip. Place the soap end of the Q-tip back in the middle of the milk and hold it there for 1- to 15 seconds. Look at that burst of colour!
5. Add another drop of soap to the tip of the cotton swab and try it again. Experiment with placing the cotton swab at different places in the milk. Notice that the colors in the milk continue to move even when the cotton swab is removed. What makes the food coloring in the milk move?
6. When dish soap is dropped into milk, there is a swirl of activity of soap molecules finding and bonding with fat molecules in the milk. With millions of molecules swirling around looking for mates, the colors in the milk get all mixed up!

