



## *DNA Extraction from Wheat Germ*

1. Use a dropper to add 6 mL of water to a tube containing 1 gram of dry wheat germ.
2. Invert tube at least 40 times to completely rehydrate the wheat germ. This may take a few minutes.
3. Use a dropper to add 3 mL of soap solution to tube.
4. Invert tube several times until completely mixed. This may take a few minutes.
5. Hold tube on an angle and use a **clean** dropper to slowly layer 3 mL of ethanol on top of the soap and wheat germ mixture.
6. Let rest for 1–2 minutes or until you see a cloudy, white precipitate (the DNA) start to move into the ethanol layer.
7. Use a plastic loop to lift the DNA from the ethanol layer. Be careful not to push the plastic loop down into the soap.



