**DNA Drying Procedure using SpeedVac**

**Purpose:** To provide a standardized method for drying DNA samples using a SpeedVac concentrator.

**Materials:**

* DNA sample (500 ng to 1 µg) in water
* DNA Low-bind tubes
* SpeedVac concentrator with vacuum pump and cold trap

**Procedure:**

1. Transfer 500 ng to 1 µg of DNA into a DNA low-bind tube in 10-50 µl.
2. Place the tube(s) with the lid open in the SpeedVac rotor.
3. Turn on both the vacuum pump and the cold trap.
4. Use one of the preset settings on the SpeedVac and modify by: setting the vacuum to 100 milliTorr (relatively low vacuum setting) and setting the temperature to 35 °C.
5. Allow the DNA to dry for approximately 1-2 hours (or actively monitor drying process)
6. Once drying is complete, turn off the vacuum pump and then the cold trap.
7. Carefully remove the dried DNA sample(s).
8. Dried DNA is stable for several weeks at room temperature.