

## Hill Reaction Protocol

Blend ~2 grams of the plant material in a 0.1M phosphate buffer and then filter the solution.

Spin the mixture at 300x g for 6 minutes (some use 100x g).

Transfer the *supernatant* to a new tube (the pellet on the bottom consists of cell walls, etc.).

Spin the supernatant at 2000x g for 10 minutes.

Discard the *supernatant* (the **pellet** consists of chloroplasts!).

Rinse the tube with a little 0.5M sucrose solution.

Re-suspend the chloroplasts in a 0.5M sucrose solution.