



This experiment emphasizes the concept of using a standard curve to analyze data. To gather their data, students perform a BCA assay to determine the amount of protein in a standard versus 3 different food samples.

A spectrophotometer is then used to obtain numerical values for the absorbances of dilutions of the standard and the samples. Students graph absorbance vs protein concentration for the standard and use the resulting curve to extrapolate the concentration of protein in the samples.

This procedure requires a spectrophotometer. Kit includes enough of the following for 6 stations.

The Protein Assay Kit includes:

- BSA Standard
- High Protein Drink
- Diet Drink
- Powdered Milk
- Pipets
- Dilution & Assay Tubes
- Reagents for Assay
- Instructions

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