

Client Wrapped Plant Samples For Carbon and Nitrogen

Contact the lab to discuss your project specifics before preparing samples:

Telephone: (530) 752-0147

Email: anlab@ucdavis.edu

Sample Amount (mg)

Sample amount is dependent on the amount of available sample and the estimated levels of carbon and nitrogen. Below is a general outline of the two possible sample procedures. Once the lab is contacted, the detailed requirements and weighing procedures will be emailed to you. **Do not weigh the samples until this information is received and you have also had confirmation of the weight range.**

100 mg

Samples analyzed on a Leco TruSpec Carbon and Nitrogen Analyzer.

Small Tin Foil Cups
(Leco #502-186-200)
<http://www.leco.com>

Detailed directions for sample weighing will be sent from the lab. The smaller tin foil cups are preferred, but larger tin foil cups are available if needed.

Store prepared samples in a clean 24 or 48-well ELISA plate (tray).

Place the tins consecutively in the tray starting with cell "A1". Record the well location and weight of each sample (ideally in an Excel spreadsheet). Secure the lid to the ELISA plate with tape.

10 mg
(appropriate for when sample material is limited)

Samples analyzed on a CE Elantech EA1112 Flash Carbon and Nitrogen Analyzer.

Tin Capsules 8x5 mm
(EA Consumables #D1008)
Tin Capsules 11.5x7 mm
(EA Consumables #D1102)
<http://www.eaconsumables.com>

Detailed directions for sample weighing will be sent from the lab. **A microbalance (reads to 0.001 mg) is required for weighing at this level.**

Store prepared samples in a clean 96-well ELISA plate (tray).

Place the tins consecutively in the tray starting with cell "A1". Record the well location and weight of each sample (ideally in an Excel spreadsheet). Secure the lid to the ELISA plate with tape.