



Foundation Plant Services

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UCDAVIS

Submitting Dried Leaf Samples for DNA Analysis

Before proceeding, contact Jerry Dangl at the FPS Plant Identification Lab:

Direct phone line: 530-752-7540 or E-mail: gsdangl@ucdavis.edu

You will be asked your contact information and the services you desire. For standard leaf samples, a kit containing collection materials will be sent to you as part of the service. You will receive: blotting paper, plastic bags, silica gel packs, blue desiccant crystals and envelopes. Samples other than standard dried leaves require special handling; call to make arrangements.

Keep the silica gel and the blue crystals sealed until use or they will absorb moisture from the air and become less effective (the crystals will turn from blue to pink).

1. Collect **very small young leaves** from the shoot tips of a healthy plant. Avoid collecting during a heat wave. The three leaves closest to the shoot tip are best. The younger the better. Collect enough leaves to cover the blotting paper without overlapping the leaves.
2. Place the leaves in an envelope between the two sheets of blotting paper. Keep the leaves flat. **Do not overlap the leaves.**
3. **Place one silica gel packet in the envelope** between the blotting paper and the inside surface of the envelope, i.e. not between the sheets of blotting paper with the leaves.
4. Seal the envelope and write the name of the sample on the envelope in pen. Be sure you identify the sampled plant **unambiguously**. Use the same sample name on Attachment A of the Testing Agreement. Each envelope must contain leaves from **only one plant**.
5. Put the sample envelopes into a plastic bag. Up to 10 sample envelopes can be placed into 1 bag.
6. Put about 50 grams (4 large tablespoons) of blue desiccant into the bag with the envelopes and seal. Put this plastic bag into a second bag and add blue desiccant into the outer bag and seal. Keep the bags sealed. If the blue desiccant turns pink, it has absorbed moisture and must be replaced.
7. **Complete and sign the Testing Agreement Form, including Attachment A**, which can be found on our web site. You can return the form with your samples or by FAX.

Mail samples to: (via US Postal Service)
Foundation Plant Services
Attn: Jerry Dangl
University of California
One Shields Ave.
Davis, CA 95616

(via UPS, FedEx or other courier)
Foundation Plant Services
Attn: Jerry Dangl
University of California
SW Corner Hopkins & Straloch Rds.
Davis, CA 95616