

## PLANT TRANSFORMATION CONTRACTS COMMONLY ASKED QUESTIONS

### ***What must I provide?***

For the crops listed, you must provide us with an engineered *Agrobacterium* culture containing the gene of interest in the binary vector. For clients outside of the state of California a full USDA/APHIS permit to send *Agrobacterium* culture by mail is required. Therefore, you may send us the plasmid DNA. Two hours for labor and supplies will be charged to transform *Agrobacterium*.

### ***How many plants do you provide for each gene construct?***

We provide a minimum of 10 independent rooted plants /construct for local clients in 2 inch pot acclimated to soil. In the case of Arabidopsis, we provide the T1 seeds of at least five selected transformants on Kanamycin or Basta. To ship rooted plants to clients outside of the state of California it is necessary to submit an interstate notification with USDA/APHIS. We can help with this and the process is straight forward.

### ***What will I be charged, if the transformation is unsuccessful?***

Inserting genes into crops is technically demanding and extremely expensive. Therefore, the customer is required to pay 20% of the recharge fee listed above.

### ***How many weeks does it take to get the transgenic plants?***

*N. tabacum* 3-4 months, *N. benthamiana* 4-6 months, Rice 4-6 months, Citrus 8-10 months, Alfalfa 6-8 months, Potato 5-6 months, Tomato 4-6 months, Lily 8-10 months, and Arabidopsis 2-3 months.

### ***What method do you use to characterize the transgenic plants?***

Regenerated antibiotic resistance plants (T0s) are screened by genomic PCR, using primers to amplify the selective marker. The client can also provide us the appropriate primers against of the gene of interest.

### ***How will I be charged?***

To place an order, we need the FAU or account number to charge 50% in advance. The remainder will be charged when the transformation is completed.

### ***What is the cost for molecular characterization?***

We charge per hour. However, sometimes we estimate the total hours depending on the type of analysis and the number of plants to assay. For instance, for Northern blotting we have estimated a total 15 hours/10 plants/construct/blot plus the supplies.

### ***What is the cost for protocol development?***

We charge per hour for any methodology that is not available or is currently inefficient.

### ***What other services are provided ?***

The Plant Transformation Research Center also offers training, workshops and tours for academic institutions and individuals interested in plant transformation and in vitro tissue culture technologies.