

NATIONAL LABORATORY FOR GENETIC RESOURCES PRESERVATION

PVP VOUCHER SUBMISSION PROTOCOL

(Non-U.S. depositors please read shipping instructions below)

SEED

1. Voucher sample should be deposited at the NLGRP within three months of filing the application or prior to PVP Certificate being issued, whichever comes first.
2. Voucher sample should be sent by commercial carrier (i.e. FEDEX, UPS, DHL, etc.) and be in transit for the shortest time (i.e. overnight shipment preferred).
3. Depositor must notify NLGRP PVP Coordinator of shipment and provide tracking information. Send notification to: NLGRP-PVP-Coordinator@usda.gov and PVPOmail@usda.gov. Please include PVP number in subject line.
4. Attach Seed Deposit Form to notification email and enclose a copy of printed form with material.
5. Voucher sample: 3000 untreated seeds with $\geq 85\%$ viability in sealed, moisture permeable bag. First generation hybrid cultivars require 3000 F₁ seed and 500 seed of each parent. Clearly label seed packets to identify hybrid and parents (male and female). Cultivars with cytoplasmic male sterility require 3000 seeds of CMS cultivar and 500 seeds of maintainer/restorer lines. Clearly label seed packets to identify cultivar and maintainer/restorer lines.

POTATO TISSUE CULTURE

1. Voucher sample should be sent by commercial carrier (i.e. FEDEX, UPS, DHL, etc.) and be sent overnight. Contact NLGRP-PVP-Coordinator@usda.gov if other delivery options are needed (i.e. local drop off).
2. Depositor must notify NLGRP prior to shipment and include tracking information. Send notification to: NLGRP-PVP-Coordinator@usda.gov and PVPOmail@usda.gov. Please include "Potato PVP" number in subject line.
3. Attach completed PVP POTATO TISSUE CULTURE VOUCHER DEPOSIT FORM (provided by PVPO) to notification email and enclose a copy of printed form with material.
4. If Depositor is generating tissue culture samples themselves, they must follow this protocol. If Depositors are using contracting laboratories to produce plantlets for submission to NLGRP, the Depositors are responsible for ensuring such laboratories receive and follow this Tissue Culture Submission Protocol. This ensures the safe delivery and deposit of the

samples to NLGRP and reduces the risk of having to resubmit the plantlets due to poor shipping and handling.

5. Ten (10) separate in vitro plants (one plant per tube), firmly rooted in 1 % agar and tubes shipped upright in package should be deposited. Plantlets should not be older than two weeks.
6. NLGRP requests that the owner provide instructions (laboratory procedures) for maintenance of the materials. Strict confidentiality shall be maintained by the PVPO and NLGRP as to the specifics of any such instructions (laboratory procedures), in accordance with law and equity.
7. Labels required on outside of package:
 - a. 'Live Plants'
 - b. "Do Not Place in Cold Storage"
 - c. "Open Package Immediately"
 - d. Multiple "Arrows" indicating right side up, to ensure tubes remain upright in transit.

Shipping Instructions

NLGRP Shipping Address:

NLGRP Attn: PVP Coordinator
1111 South Mason Street
Fort Collins, CO 80521

Non-US Depositors:

1. Email NLGRP-PVP-Coordinator@usda.gov, **in advance of shipping** to request instructions for importing material into the United States. Please let us know if you are importing seed or potato plantlets, and the country where the material was field grown.
2. NLGRP will provide Depositor with an NLGRP Import Instruction Letter and appropriate permit/shipping label (if applicable). The NLGRP Instruction Letter provides the specific instructions needed to import material in accordance to USDA Animal and Plant Health Inspection Service (APHIS) regulations. Please follow all instructions carefully. **Material may be destroyed or returned if conditions and regulations are not met.**
3. Information on specific import requirements can be found in the APHIS Plants for Planting Manual and/or APHIS Agricultural Commodity Import Requirements Search Tool (<https://www.aphis.usda.gov/aphis/ourfocus/planthealth/complete-list-of-electronic-manuals>).