

MATERIAL TRANSFER AGREEMENT
FOR DESTRUCTIVE SAMPLING FROM HERBARIUM SPECIMENS FOR DNA
Revised May 2022

The Missouri Botanical Garden (MBG) releases material from its herbarium collection for destructive sampling for DNA only under specific conditions and in support of appropriate systematic research projects. Samples taken from herbarium specimens will not be made available for bioprospecting endeavors, screening for genes of interest in agricultural or applied research, or any other potential commercial application. MBG supports *The Principles on Access to Genetic Resources and Benefit-Sharing* (<https://www.bgci.org/resources/bgci-tools-and-resources/principles-on-access-to-genetic-resources-and-benefit-sharing/>) and requires all collaborators receiving material from its collections to abide by the letter and spirit of the Nagoya Protocol and the Convention on Biological Diversity (<https://www.cbd.int/abs/>).

The investigator must have made a diligent and good faith effort to obtain appropriate material for extraction from other sources (field collections, horticultural sources, other herbaria, etc.).

The investigator must have enough experience with the laboratory techniques and the characteristics of their group to insure that there is a reasonable probability of successfully extracting useable DNA from the sampled material.

As a condition of release for any samples from herbarium material, each applicant agrees to abide by the conditions stated in the paragraphs above and also agrees to:

- 1) Obtain approval in advance to pass either material provided by the Garden or extracted DNA to third parties.
- 2) Acknowledge both the Missouri Botanical Garden and each individual collector of material provided in each publication in which data is used.
- 3) Provide the Garden with reprints from all resultant publications.
- 4) Publish jointly with MBG staff members or their collaborators whenever appropriate.
- 5) Register DNA sequences with GenBank/EMBL accession numbers.
- 6) Acknowledge that the material is provided by the Garden without any warranty of any kind whatsoever.
- 7) Comply with these specific sampling requirements:
 - a. Only material in the fragment packets may be used.
 - b. Only the minimum amount of material needed may be taken.
 - c. Only one or two specimens per taxon may be sampled.
 - d. A given specimen may not be sampled a second time.
 - e. No more than 20 total specimens may be taken per project.

- f. Sampling is restricted to non-type specimens collected since 1970.
- g. Any sampled specimen must be clearly annotated with what material was removed, by whom, their institution and for what purpose.

Exceptions may be made to this policy in specific instances, but will only be granted after thorough review by the Curator of the Herbarium at the Missouri Botanical Garden.

The Missouri Botanical Garden reserves the right to refuse to provide samples from the herbarium material in its care for any reason, at its sole discretion.

I certify that I have read and understand the above restrictions and agree that I will conform to all of the regulations of the Missouri Botanical Garden.

Printed Name _____

Institution name and acronym _____

Signature _____ Date _____

Please provide the following information for each specimen to be sampled in a separate list:

Family Name, Taxon Name, Country, Collector & number, Collection Date, Specimen Accession number

A separate MTA and all accompanying documentation must be submitted for each sampling event.

Send this completed MTA, a brief 1-page project description (including methods for processing herbarium samples, the amount of material needed, likelihood of success, and reason that material from other sources could not be acquired), and specimen list to:

Curator of the Herbarium
Missouri Botanical Garden
4344 Shaw Blvd.
St. Louis, Missouri 63166-0299, USA
Email: herbarium@mobot.org

For MO Internal Use Only:

Transaction No. _____

Curator of the Herbarium

Date