

User's Guide for Plant Resources in RIKEN BRC

(June 2009)



Arabidopsis natural accession (SJA00083 from SASSC)



**Experimental Plant Division
RIKEN BioResource Center**



1. Project Summary

RIKEN BioResource Center collects, preserves and distributes biological materials from model organisms to promote the life sciences. In 2002 the Experimental Plant Division joined the National Bio-Resource Project and selected Arabidopsis and plant cultured cell/DNA resources as core products with the intent to contribute to the production of food, biomass and other useful bio-materials, as well as to the protection of the environment, by promoting research on plant science.

2. Resources

The following resources are available from us. Please visit our HP for detailed information on each resource.

2-1. Arabidopsis Seeds

- (1) Natural accessions and mutant lines deposited from The SENDAI Arabidopsis Seed Stock Center (SASSC): 1,231 lines.
- (2) RIKEN Arabidopsis transposon-tagged mutant (RATM) lines developed by RIKEN GSC: 15,267 lines. Homozygous seeds are available for 1,800 lines.
- (3) RIKEN Arabidopsis activation-tagged lines developed by RIKEN: 32,650 lines. Provided as seed pools for screening.
- (4) RIKEN Arabidopsis FOX lines developed by RIKEN PSC: 2,000 lines. Provided as seed pools for screening.
- (5) Individual lines of mutant and transgenic Arabidopsis developed in Japan.

2-2. Plant DNA Materials

- (1) RIKEN Arabidopsis Full-Length cDNA (RAFL) clones developed by RIKEN GSC: 251,382 clones.
- (2) Full-length cDNA clones of *Physcomitrella patens* developed by National Institute of Basic Biology: 149,363 clones.
- (3) Full-length cDNA clones of poplar developed by Forestry and Forest Products Research Institute: 23,100 clones.
- (4) Full-length cDNA clones of cassava developed by RIKEN PSC: 19,968 clones.
- (5) EST clones from Tobacco BY-2 cells developed by RIKEN PSC: 9,696 clones.
- (6) Individual DNA materials developed in Japan: 288 clones.
- (7) Arabidopsis cDNA Encyclopedia DNABook™ (Trial product, basic research only).

2-3. Plant Cultured Cells

- (1) Arabidopsis T87 cell line.

3. Ordering Procedure

3-1. User Registration

Please register as a user at our home page (see Sec. 4 for HP) before you make an order. Note that only the principal investigator can register as a user, so if you are student or postdoc, please ask your laboratory head to register.

3-2. Orders

Most of the genomic resources can be ordered through our HP. For other resources, please enquire by e-mail.

3-3. Documents

Please post two copies each of the Material Transfer Agreement form and the appropriate order form from the HP to the address in Section 4 after you make your order.

3-4. Shipments

Except for those resources provided by seed pools, we send 50 seeds for each Arabidopsis line (500 seeds for homozygous line), 100 ng of plasmid DNA for each DNA material, and approximately 5 ml of suspension cell culture for T87 cells. Most of resources will be ready for shipment within one month after receipt of the order. When we find a problem in the quality of the resource during preparation, we will inform the user.

3-5. User Fees

We ask the recipients of orders to bear all shipping and handling costs. The fee structure for plant materials for overseas organizations is shown below.

Fees for Biological Materials in the 2009 Fiscal Year¹ (Yen)

| | | Non-Profit Organization | Profit Organization |
|--|-------------------------------|-------------------------|---------------------|
| Independent Arabidopsis Seeds | Trial ² | 6,825 | 8,820 |
| | Frequent User ³ | 15,330 | 19,845 |
| | Single Time User ⁴ | 17,850 | 23,205 |
| Pooled Arabidopsis Seeds | First set | 5,460 | 7,140 |
| | Each additional set | 1,890 | 2,520 |
| Plant DNA Materials | Trial ² | 6,825 | 8,820 |
| | Frequent User ³ | 15,330 | 19,845 |
| | Single Time User ⁴ | 17,850 | 23,205 |
| An Arabidopsis cDNA Encyclopedia DNABook TM | | 34,650 | - |
| Arabidopsis T87 cell | | 4,935 ⁵ | 6,405 ⁵ |

¹Our fiscal year is from April 1 to March 31.

²The Trial fee can be applied to those who make only one order in a fiscal year. The order must be limited to ten or less items of the same material, or resource.

³The Frequent User fee is a lump sum payment for ten or less orders in a fiscal year. Each order must be limited to ten or less items of the same material.

⁴The Single Time User fee is for every order between eleven and one hundred items of the same material.

⁵The fee for Arabidopsis T87 cells does not include freight charges. As we cannot enclose a phytosanitary certificate for living plant cells, the *recipient* must be solely responsible for the customs procedure at the time of shipment. Also, the *recipient* must be a holder of a FedEx user number for the payment of freight charges.

3-6. Billing and Payment Information

The bill is issued by the RIKEN Research Promotion Division. After receiving the bill, please make your payment in either of the following ways:

(1) Electronic transfer to the following bank account.

Beneficiary: RIKEN (The Institute of Physical and Chemical Research)

Bank: The Bank of Tokyo-Mitsubishi UFJ, Ltd.

SWIFT code: BOTKJPJT

Branch: Wakoekimae Branch (Branch No.727)

Account No.: 159228 (Ordinary Account)

Bank Address: 1-1-1, Shimoniikura, Wako-shi, Saitama, 351-0111 JAPAN

Bank Tel: +81-48-466-3611

We ask recipients to cover all bank charges (including exchange, commission and handling fees) necessary for your remittance. After remittance, please send a copy of the transfer receipt to the following Research Promotion Division by fax to verify the transfer.

(2) Bank check in Japanese yen.

Please make it payable to "The Institute of Physical and Chemical Research" and mail the check to

RIKEN Tsukuba Institute

Tsukuba Planning Section, Research Promotion Division

3-1-1 Koyadai, Tsukuba, Ibaraki 305-0074, JAPAN.

If you have any questions about the payment procedure, please contact

E-mail: brc-gate@brc.riken.jp

FAX: +81-298-36-9182

4. Contact Information

Please send enquiries to

Experimental Plant Division, RIKEN BioResource Center

3-1-1 Koyadai, Tuskuba, Ibaraki 305-0074, JAPAN

FAX: +81-29-836-9053

E-mail: plant@brc.riken.jp

HP: <http://www.brc.riken.jp/lab/epd/Eng/>