

PREFACE

Kobe University Macroalgal Culture Collection (KU-MACC) was established in 2003 as a section of the Kobe University Research Center for Inland Seas (KURCIS), and began to distribute cultures to the public in 2005. This collection is one of the research activities of KURCIS, but its development has been supported by the National BioResource Project (NBRP) of the Ministry of Education, Culture, Sports, Science and Technology (MEXT) in collaboration with the Microbial Culture Collection of the National Institute of Environmental Studies (NIES).

KU-MACC principally holds so-called macroalgae (Phaeophyceae, Rhodophyceae and Chlorophyceae), and preserves unialgal strains by maintaining vegetative thalli or by cryo-preservation in liquid nitrogen. The collection is based on the culture strains collected and isolated by the researchers of KURCIS and the donated strains established by Drs Dieter G. Müller (Germany), Eric C. Henry (U.S.A.), the researchers of the Graduate School of Science, Hokkaido University, etc.. More than 1,500 strains are preserved in total, and currently about 500 strains of about 230 species are available for distribution. The collection includes the 'genome strain' of *Ectocarpus siliculosus* genome project published in 2010 as the first example of the whole genome analysis of multicellular macroalgae, and its related strains. This catalogue lists the stains available for distribution, and explains the application and donation procedures and methods of culture.

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I. ORDERING STRAINS

1. Agreement for distribution

When the user agrees to the following conditions, KU-MACC shall accept his/her submission of the KU-MACC Strain Ordering and Agreement Form:

- (1) The strains (including replicates and derivatives from the strains), that are distributed from KU-MACC (Kobe University Macroalgal Culture Collection), shall be available for education, academic and industrial research purpose only. The strains are not intended for human consumption. The user hereby acknowledges and accepts any potential risks associated with the strains and shall use them in compliance with domestic and foreign laws, regulation, and guidelines.
- (2) The user shall submit the application form personally.
- (3) The user shall not acquire any intellectual property rights from the distribution of the strain.
- (4) The user shall provide written notice to KU-MACC when the purpose of the distribution changes significantly from that stated at the time of submission.
- (5) The user shall not transfer the strains, replicates and derivatives to any third party. In case of violation, these facts may be made public by KU-MACC via posting on our Web site, etc.
- (6) The user agrees to acknowledge KU-MACC as the source of the material in all publications and patent applications that reference the material. The user shall provide the KU-MACC strain code (e.g., KU-123) when a KU-MACC strain is used in research that is subsequently published, and shall send two copies of the reprint(s), PDF files (or photocopies thereof) or information of any publications to KU-MACC.

(7) The user hereby agrees that KU-MACC or its depositors shall bear no liability for an infringement of the intellectual property rights or another person's rights by using of a strain.

(8) The user hereby agrees to indemnify, defend and hold harmless KU-MACC and its depositors against all third party claims, losses, expenses and damages relating to the transfer, use, handling, disposal and other activities relating to the material, replicates or derivatives. All non-monetary settlements will be subject to KU-MACC's consent.

(9) The user shall submit the Strain the Receipt Form within thirty (30) days (the "Warranty Period") of the date of receipt of the strain. The user may request that the strain be sent again without charge (exclusive of shipping and handling charges) if the strain is seriously damaged in transit and does not show viability during this warranty period. This exclusive remedy applies under the condition that the user handles and stores Material as described in the product sheet.

Payment; Taxes; Shipping

KU-MACC issues invoice after receiving the report of survival from the user (within 30 days after the arrival of culture). Payments due to KU-MACC should be done by wire transfer to the specified bank account of Kobe University before the date specified in the invoice. Any payments not made within such twenty (20) day period will be subject to an interest charge of five percent (5%) per year or the maximum rate allowed by applicable law, whichever is less. The user is responsible for all taxes, duties, tariffs and permit fees assessed in connection with the material.

KU-MACC will package the material for shipping in accordance with applicable laws and regulations. The user is responsible for ensuring that all permits required for user to receive its order are obtained and that sufficient proof of such permits is provided to KU-MACC. KU-MACC will notify the user when orders are submitted without the necessary permits, and the user will have a two (2) month period after such notification to supply proof of the necessary permit(s) before an order will be cancelled.

2. Procedure for distribution

(1) The user shall complete the [KU-MACC Strain Ordering and Agreement Form] and send it to the following

Address:

Kobe University Organization of Advanced Science and Technology

Research Center for Inland Seas

Kobe University Macroalgal Culture Collection (KU-MACC)

Rokkodai 1-1, Nada-ku, Kobe 657-8501, Japan

Phone: +81-78-803-5781 Fax: +81-78-803-6698

Email: kumacc@kobe-u.ac.jp

Homepage: <http://www.research.kobe-u.ac.jp/rcis-ku-macc/>

(2) The user shall submit the Strain Receipt Form within thirty (30) days of the date of receipt of the strain by fax, e-mail or post.

3. Cost of strains

Universities, public institutions: 3,000 yen

Companies, commercial organizations: 6,000 yen

The cost of postage or other shipping should be paid by the users.