

All the cultures that are made in greenhouse must be registered by filling a specific form.

Filling the form for a place reservation in greenhouse has 3 purposes :

- It is necessary for a good management of culture places, according to rules of greenhouse using.
- It allows registering of OGM plants that are cultured, insuring their traceability in agreement with :
 - Legislative recommendations : “ **all transgenic plants must be easily identifiable and their history must be easily found**”. In particular, the identification of gene of resistance introduced is important , that’s why information on origin of KO lines and vectors used for transformations are demanded.
 - Requirement of quality approach for management of biological material and of their identification. Informations asked at registering can supply to succinct or incomplete descriptions in laboratory notebooks and avoid loss or sidelining of lines in case of doubts about material badly described.

The form is conceived to collect as many as necessary informations for traceability. That’s the reason why it integrates all possibilities of culture (wild type, transgenic plants transformed with one or two genes and containing one or several resistance genes, wild type backgrounds for transformation or transgenic background for transformation) . For help to fill it, see examples in appendix.

Appendix

- **Example 1** : Registering a **double mutant for genes x** (coming from **SALK collection**) et **Y** (coming from **SALK collection**) which was **X (35S :: CDNA X)** in a previous transformation and that will be for gene **Y** (native promotor ::Y)

1 Note here the plant name as in the experimenter notebook

2 select line collection for mutant X

3 line collection Displays here automatically

4 you can then add identification number of the line :
For example GABI-KAT_421F03

5 Select line collection for mutant y

6 Y name collection displays following X name collection and can be completed by the identification number of the line

7 In case of overexpression, note the name of the transgene : in the example, X under 35S promotor

8 select vector used for transgenesis in 7

9 vector name appear automatically here

10 choose « Yes » because the plant will be transformed for Y complementation

Nom de la plante : ko xy compl 35S X

OGM : oui ☐ non ☒

Type de lignée transgénique
KO par insertion T-DNA :

Sélectionner votre Origine de lignée !

- CSHL
- Flagdb
- Gabi-Kat
- JIC SM line
- Riken FST
- Sail
- Salk
- SK
- WiscDSlox

Origine de lignée
Gabi-Kat_

Autre (expression Transgène)
Nom du Transgène :

Sélectionner le vecteur utilisé pour la transgénèse !

- p CHF3
- P207
- pBI 121
- pBin
- pBin 20
- pCambia
- pCB302
- pGreen 0179
- pGreen 029
- pGW
- PGWB
- pK2GW
- pK7WGF
- pMDC
- pMP90
- pROK2

Vecteur utilisé pour le transgène
pGreen.029_

Pour transgénèse : oui ☐ non ☒

The following screen appear :

The screenshot shows a software interface for transgene registration. It includes several input fields and a list of vectors. Four numbered callouts provide instructions:

- 11** indicate transgene name that will be used for complementation (Y in the example)
- 12** ...and the name that the experimenter will give to the final transformed plant. (the same as in notebook)
- 13** select vector used in this transgenesis that will display in 14
- 14** name can be completed here

The interface fields and options are as follows:

- Pour transgénèse :** oui ☐ non ☒
- Nom du Transgène :** PromY-Y
- Nom utilisé par l'expérimentateur après transformation :** KOxycompl35SxpromY-Y
- Sélectionner le vecteur utilisé pour la transgénèse :** A list of vectors including pCHF3, P207, pBI121, pBin, pBin 20, pCambia, pCB302, pGreen 0179, pGreen 029, pGW, **PGWB** (highlighted), pK2GW, pK7WGF, pMDC, pMP90, and pROK2.
- Vecteur utilisé pour le transgène :** PGWB_
- Contenant :** Pot ☐ Barquette ☐ Quantité de contenant :

Example 2 :

Registering of a plant (named OE-Z), overexpressor of Z gene under 35S promotor, in a wild type background.

Do not fill anything in the left insert, but fill in the right part the name of the plant (1), name of transgene (2) : It can be Agi° or other if it allow clear identification, the vector used (3) than can eventually completed (4).

The screenshot shows a web form for plant registration. It includes fields for plant name, transgene name, vector, and origin, along with radio buttons for OGM status and transgene type. Numbered callouts highlight specific fields: 1 points to the plant name field, 2 points to the transgene name field, 3 points to the vector selection dropdown, and 4 points to the vector name field.

Nom de la plante : OE-Z

OGM : oui ☐ non ☒

Type de lignée transgénique
KO par insertion T-DNA :

Sélectionner votre Origine de lignée !

- CSHL
- Flagdb
- Gabi-Kat
- JIC SM line
- Riken FST
- Sail
- Salk
- SK
- WiscDSlox

Origine de lignée

Autre (expression Transgène)
Nom du Transgène : 35S::Z

Sélectionner le vecteur utilisé pour la transgénèse !

- p CHF3
- P207
- pBI 121
- pBin
- pBin 20
- pCambia
- pCB302
- pGreen 0179
- pGreen 029
- pGW
- PGWB
- pK2GW
- pK7WGF
- pMDC
- pMP90
- pROK2

Vecteur utilisé pour la transgénèse : pCambia_

Pour transgénèse : oui ☐ non ☒

If the plant is for a new transformation with another gene, select "yes". A new screen will appear to fill as previously described.

