

Transfer and Validation of Southern Blot Assay of Transgenic Rodents

In order to ensure the efficient transfer of DNA-based protocols for the genotyping of transgenic animal lines, Taconic recommends that the following materials and information be provided by clients.

It is the policy of Taconic to perform an initial study to validate the efficacy and utility of the assay prior to accepting production samples. **Taconic cannot guarantee successful transfer and validation of the assay unless all information and materials listed below are submitted.**

PLEASE NOTE:

Due to assay limitations, Taconic will make up to two attempts to process the client- submitted samples using the reagents and protocol provided. Taconic will submit a brief report summarizing the results of these attempts. If the transfer is unsuccessful (i.e. results not reproducible) Taconic will contact the client for approval before additional work is performed. Additional charges may result if the tests cannot be readily transferred with reproducible results.

I. GENERAL INFORMATION

Taconic Technical Representative:

Client:

Client Principal Investigator: Phone: Fax: E-mail:

Client Technical Contact person: Phone: Fax:
E-mail:

Line #: Microinjected or knockout (circle one) or
Specify technique:

Gene: Human Mouse Other _____
(circle one)

Genebank Accession #:

Genetic background of strain:

Copy number if know for a
Microinjected line:

Pertinent publications:

II. INFORMATION/REAGENTS REQUIRED:

A. Please provide a minimum of two and a maximum of five control samples of each expected genotype (e.g. wild type, hetero- or hemizygote, homozygote). We prefer tail clips (1 cm) placed in 1 ml 70% ethanol (to be shipped overnight at room temperature) but isolated genomic DNA (minimum 15 ug) is also acceptable. If other arrangements are being made for DNA sample submission, please describe:

B. Probe

1. Provide 10 - 50 ug of plasmid containing probe fragment.
2. Name of probe: Vector used:
3. Probe fragment can be excised from plasmid with restriction enzyme(s):

Sizes of probe fragment and other fragments resulting from digestion of plasmid (include photo of gel):

4. Antibiotic resistance of plasmid:

D. Hybridization

1. Digest genomic DNA with restriction enzyme(s):
2. Size(s) of bands detected by probe (include copy of autoradiograph): Wild Type
Homozygote:

Questionnaire Completed by:

Date:

Phone #

Fax #

For Assistance in completing Questionnaire contact your Taconic Area Technical Representative or email AssayTransfer@taconic.com. Send completed form and Reagents to: AssayTransfer@taconic.com and to **Taconic, 5 University Place, Rensselaer, NY 12144, C/O Assay Transfer.**