

Transgenic Service

W450

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Preparation of BAC - DNA constructs for microinjection

Protocol:

- 1) Purify the BAC-DNA using an appropriate method e.g.
<http://www.med.umich.edu/tamc/BACDNA.html>
<http://www.bcm.edu/gemcore/BACprotocol.htm>
- 2) **Please use BAC-DNA microinjection buffer which is prepared by Transgenic Service only**
- 3) Quantitate the DNA concentration by using agarose gel electrophoresis including DNA markers of known size and concentration and/or by photometric measurement.
- 4) Store the DNA solution **at 4°C**

For BAC-DNA microinjection 300ng of DNA is needed

We would like to obtain a gel picture together with the BAC-DNA.

We will dissolve the concentrated BAC-DNA (including polyamines) at the Transgenic Service to obtain a final working concentration of 1-2ng/ μ l.