

## **RPCI MICROARRAY and GENOMICS FACILITY**

### **CLONE/VECTOR INFORMATION:**

Clones are distributed as glycerol stock cell cultures and/or agar stabs. Agar stab clones should be recultured as soon as possible after receipt. Store glycerol stocks at –80C. Clones derived from libraries constructed in the PAC vectors (pCYPAC2 or pPAC4) grow on medium with 25ug/ml Kanamycin. These libraries are RPCI – 1, 3, 4, 5, 6, 21, 31, 91, and 92. Clones derived from all other RPCI libraries are constructed in the BAC vector pBACe3.6 and grow on medium with 20ug/ml chloramphenicol. Vector information can be found on our website: [http://www.roswellpark.org/document\\_5291.html](http://www.roswellpark.org/document_5291.html)

### **DNA INFORMATION:**

The DNA is prepared by an Autogen 740 from 2ml O/N cultures. This method is a modified phenol:chloroform extraction and results in plasmid DNA of high quality. The DNA is resuspended in 100ul TE, and contains, on average, 10-20ug DNA. We and others use this DNA routinely for FISH, PCR, fingerprinting and as template for end sequencing. It is possible that some of the BAC DNA will linearize upon freeze/thawing; therefore attempts should be made to minimize this step. The DNA has not been treated with RNase.

### **DISCLAIMER**

#### PHAGE CONTAMINATION OF SOME SECTIONS OF THE RPCI BAC CLONE RESOURCE

We have identified bacteriophage contamination in a small proportion of the RPCI BAC CLONE RESOURCE, apparently coliphage T1-related in most if not all cases. Phage T1 contamination can spread rapidly to other E.coli cultures. We have put procedures in place to minimize the chance of transfer of phage contamination to users. We believe that as users of RPCI clones you should be aware of the possibility of phage contamination and apply appropriate microbiological practices to ensure that your labs remain contamination free. We have withdrawn all contaminated sections of the resource from distribution. All clones requested will be tested for phage contamination before shipment, and only clones which test negative for phage will be distributed.

- 1) All RPCI clones requested for distribution will be tested for Phage contamination, using a Top Agarose assay.
- 2) If the clones are non-lytic with the Top Agar assay, the clone(s) will be dispatched directly to the user. **PLEASE NOTE** that even clones which have tested negative for phage should still be handled with care, as no phage assay can be guaranteed to be 100% accurate.