

Submission Guidelines for Nucleic Acid Isolation

RNA

The Microarray Facility recommends that tissue or cells harvested for RNA isolation be stabilized immediately using one of the following techniques:

Flash freezing with liquid nitrogen*

1. Samples stabilized with this method should be stored on dry ice or at -80°C immediately.
2. Long term storage of frozen samples can affect overall RNA quality.
3. Samples should be submitted to the Microarray Facility on dry ice.
* Pellet cells and decant media prior to flash freezing.

Suspension in RNAlater (Ambion)

1. Harvested samples should immediately be immersed in RNAlater according to the manufacturer's instruction.
2. Closely adhere to manufacturer's instructions on sizing of samples for immersion.
3. After samples have completed the absorption of RNAlater they can be stored at -80°C.
4. Samples should be submitted to the Microarray Facility on dry ice.

DNA

The Microarray Facility recommends that tissue or cells harvested for DNA isolation be stabilized immediately using the following technique:

Flash freezing*

1. Tissue or cells harvested for DNA isolation should be immediately frozen with liquid nitrogen or dry ice / ethanol bath.
2. Store frozen sample at $\geq -20^{\circ}\text{C}$.
3. Avoid freezing and thawing which can lead to reduced DNA size.
4. Samples should be submitted to the Microarray Facility on dry ice.
* Pellet cells and decant media prior to flash freezing.

Hand delivery of samples can be made between 8:00 am – 4:30 pm Monday – Friday at the KUMC-MF located in the Microarray Facility, RM# 1015A KLSIC, University of Kansas Medical Center. Dry ice shipments of samples, including completed order form, may be shipped overnight to:

Attention: Clark Bloomer
Microarray Facility
RM# 1015A KLSIC
University Receiving Dock
2106 Olathe Blvd.
Kansas City, Kansas 66160-7421

For further information on the Microarray Facility please visit our web site
<http://www2.kumc.edu/siddrc/microarray/>

Please feel free to call if you have any questions or require directions to the facility.
Phone: (913) 588-7127