



## DNA Submission Instructions for Microarray or STR Analysis

- Notify the WiCell Characterization lab that you will be shipping gDNA for testing ([characterization@wicell.org](mailto:characterization@wicell.org)) at least 24 hours in advance.
  - Include tracking information, if available.
- Complete one Characterization Testing Request form for each sample and send form(s) with your shipment and/or email them to [characterization@wicell.org](mailto:characterization@wicell.org)
- WiCell Characterization recommends Qiagen's DNeasy DNA Purification Kit with incorporation of RNase A treatment for isolation of high-quality gDNA from live cells.
- Label sample tubes with cell line name and passage, as you would like it to appear on the final report, and concentration.
- **gDNA Requirements for STR Analysis**
  - UV absorbance must fall within the following range
    - $A_{260/280} \geq 1.5$
  - Submit 1-3ug at a concentration of 100-250ug/ml in a 1.5ml screw-top centrifuge tube
  - Submitted volume must be at least 15ul
- **gDNA Requirements for Microarray (SNP-based) Analysis**
  - Genomic DNA must be RNase treated
  - UV absorbance ratios must fall within the following ranges
    - $A_{260/280} \geq 1.8$
    - $A_{260/230} \geq 2.0$
  - Submitted volume must be at least 15ul
  - Concentration must be between 50-75ng/ul if measured by Qubit, or 100-150ng/ul if measured by Nanodrop
- **gDNA Requirements for Microarray and STR Analysis**
  - If Microarray and STR analysis is to be performed on the same DNA sample, UV absorbance ratios must meet the Microarray requirements
  - Submit  $\geq 8$ ug at a concentration of 100-250ug/ml in a 1.5ml screw-top centrifuge tube

## gDNA Shipping Instructions

- Place the 1.5ml tube(s) within a 15ml conical tube and pack securely in a Styrofoam box with absorbent material to keep the tube(s) from moving and to provide insulation
- For international submissions, we recommend that you include a temperature monitoring system in your shipment.
- Deliveries are accepted Monday through Friday from 8:00am to 4:00pm (Please **DO NOT** ship First Overnight).
- Place Styrofoam box in a cardboard box, label, and ship **OVERNIGHT** or **INTERNATIONAL PRIORITY** to:

**WiCell Characterization Lab**  
504 S Rosa Rd, Ste. #101  
Madison, WI 53719

### Shipping materials are available upon request

Please contact us at (608) 316-4145 or email [characterization@wicell.org](mailto:characterization@wicell.org) with any questions.