DNA Submission Instructions for Microarray or STR Analysis

- Submit your sample request on-line at [www.wicell.org/testrequest](http://www.wicell.org/testrequest)
  - Include tracking information, if available.
  - Upload any required purchase orders.
- 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
  - A260/280 \(\geq 1.5\)
- 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
  - A260/280 \(\geq 1.8\)
  - A260/230 \(\geq 2.0\)
- 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).
- Print and include the packing slip provided on the confirmation page of your on-line sample submission.
- 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) 291-6100 or email characterization@wicell.org with any questions.