DNA Submission Instructions for Microarray or STR Analysis

- Submit your sample request on-line at www.wicell.org/testrequest
  o Include tracking information, if available.
  o 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**
  o UV absorbance must fall within the following range
    ▪ A260/280 ≥1.5
  o Submit 1-3ug at a concentration of 100-250ug/ml in a 1.5ml screw-top centrifuge tube
  o Submitted volume must be at least 15ml
- **gDNA Requirements for Microarray (SNP-based) Analysis**
  o Genomic DNA must be RNase treated
  o UV absorbance ratios must fall within the following ranges
    ▪ A260/280 ≥1.8
    ▪ A260/230 ≥2.0
  o Submitted volume must be at least 15ml
  o 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**
  o If Microarray and STR analysis is to be performed on the same DNA sample, UV absorbance ratios must meet the Microarray requirements
  o Submit ≥8ug 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) 316-4145 or email characterization@wicell.org with any questions.

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PH: (608) 316-4145 • FX: (608) 204-9699 • Email: characterization@wicell.org • 504 S. Rosa Road, Suite 101, Madison, WI 53719
Billing Inquiries Contact: Luke Phelps-McGuire • Ph:[608] 316-4727 • Email: accounting@wicell.org

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