

## HudsonAlpha Genetic Innovation Lab Sample Requirements - Long Read

Sample Submission	
<b>Checklist</b>	
<ul style="list-style-type: none"> <li>Label all plates and tubes with an ID and your HudsonAlpha provided quote number, and ensure the correlated samples are indicated in the Genomics Services Manifest (provided).               <ul style="list-style-type: none"> <li>ID: Company/Organization/Submitter's Last Name, unique sample or plate number</li> </ul> </li> <li>Email the completed Genomics Services Manifest to <a href="mailto:khufutracking@hudsonalpha.org">khufutracking@hudsonalpha.org</a> before shipping any samples.</li> </ul>	

Extracted DNA Samples Going Directly Into Library Preparation		
Sample Type	Minimum Volume	Purity
High Molecular Weight DNA	HMW DNA 4ug+ and at least 15kb fragment size	OD260/280: 1.7 - 2.0 OD260/230: 2.0 - 2.2 No solid particles, minimal turbidity

Tissue Samples For Extraction			
Sample Type	Sample Volume	Tube Type	Temperature
Fresh Tissue for Extraction	3-4 g of flash frozen, young, actively growing leaf tissue that has been dark treated (24-35hr)	Tissue should be in a 50 mL tube, clearly marked with all information	Frozen tissue (Must be shipped on dry ice)

## HudsonAlpha Genetic Innovation Lab Shipping Instructions

Sample Submission	
Shipping Address	
Attn: Patricia Sanmartin Clevenger Lab 601 Genome Way Huntsville AL 35806 USA	
Shipping Checklist	
<ul style="list-style-type: none"> <li>Include a physical copy of the Khufu Genomics Services Manifest with your shipment and email to <a href="mailto:khufutracking@hudsonalpha.org">khufutracking@hudsonalpha.org</a>.</li> <li>Include enough ice to last 24 hours past the expected delivery date/time in case shipping delays occur.</li> <li>Ship on Monday, Tuesday, or Wednesday to avoid weekend delays and be aware of shipping holidays.</li> <li>Email a tracking number to <a href="mailto:khufutracking@hudsonalpha.org">khufutracking@hudsonalpha.org</a>.</li> </ul>	
Sample Type	Shipping Requirement
Extracted DNA	Ice, ice packs, or dry ice (Must be kept cold)
Fresh tissue	Dry ice only (Must be kept frozen)

### Hazardous Materials Declaration

In order for HudsonAlpha Institute for Biotechnology to process shipped samples, the following declaration must be completed and included with the shipment. Any samples received without this declaration may be disposed of without notice according to HudsonAlpha Institute for Biotechnology’s biohazardous material disposal policy. This certification allows us to better protect the health of personnel who come in contact with the samples during the course of packaging, transport, and processing. Biohazardous materials may include, but are not limited to: human blood, infectious agents such as viruses or bacteria, mutagens, carcinogens, teratogens, toxins, or any other agent that constitutes a threat to human safety. If you use any materials that can be considered a biohazard AT ANY STAGE in the preparation of the samples, they must be disclosed below. *If you have any questions regarding our biohazardous policy, please contact us before shipping samples.*

Please choose one of the following options:

Option 1:  
**My samples are not contaminated with and have not been exposed to any hazardous agents.**  
 I, \_\_\_\_\_ certify that no biohazardous materials have come in contact with my samples at any stage in their development, processing or isolation.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Option 2:

**My samples may be contaminated or may have come in contact with hazardous agents.**

Exposure prior to nucleic acid isolation

Exposure following nucleic acid isolation

I, \_\_\_\_\_ certify that the above disclosure is a complete and accurate accounting of all hazardous materials that have come in contact with my samples at any stage in their development, processing or isolation.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_