

## Sample Submission Guidelines for gDNA/RNA extraction projects.

Sample Type/Origin	For gDNA extraction	For RNA extraction
<b>Soil/Sludge</b>	<ul style="list-style-type: none"> <li>Weight: 1g</li> <li>Storage in -80°C freezer</li> <li><b>3 replicates per sample to be sent</b></li> </ul>	N/A
<b>Water</b>	<ul style="list-style-type: none"> <li>Volume: 1L</li> <li>Storage in the dark in 4°C fridge</li> <li>Non leaking bottles or containers</li> </ul>	N/A
<b>Bacteria</b>	<ul style="list-style-type: none"> <li>Pellet form (30ml of overnight culture)</li> <li>Storage in -80°C freezer</li> <li><b>3 replicates per sample to be sent</b></li> </ul>	<ul style="list-style-type: none"> <li>Pellet form (30ml of overnight culture)</li> <li>Storage in -80°C freezer</li> <li><b>3 replicates per sample to be sent</b></li> </ul>
<b>Fungi</b>	<ul style="list-style-type: none"> <li>Pellet form (30ml of overnight culture) or Frozen fungal material</li> <li>Weight: 100mg</li> <li>Storage in -80°C freezer</li> <li><b>3 replicates per sample to be sent</b></li> </ul>	<ul style="list-style-type: none"> <li>Filamentous Fungi material</li> <li>Weight: 100mg</li> <li>Snap frozen in liquid nitrogen</li> <li>Store in -80°C freezer</li> <li><b>3 replicates per sample to be sent</b></li> </ul>
<b>Plant</b>	<ul style="list-style-type: none"> <li>Young leaves/needles preferred</li> <li>Weight: 100mg wet weight, 20mg if plant samples is lyophilized</li> <li>Fresh plants samples: snap frozen in liquid nitrogen</li> <li>Store in -80°C freezer</li> <li>Lyophilized plant samples: samples should be completely dried within 24hrs of collection and stored at RT</li> <li><b>3 replicates per sample to be sent</b></li> </ul>	<ul style="list-style-type: none"> <li>Young leaves/needles preferred</li> <li>Weight: 100mg wet weight</li> <li>Fresh plants samples: snap frozen in liquid nitrogen</li> <li>Store in -80°C freezer</li> <li><b>3 replicates per sample to be sent</b></li> </ul>
<b>Tissue samples (Human or Animal)</b>	<ul style="list-style-type: none"> <li>Tissue must be wash with 1X PBS to remove all traces of blood</li> <li>Weight: 30mg</li> <li>Snap Frozen in liquid nitrogen after 1XPBS wash and weighing.</li> <li>Store in -80°C freezer</li> <li><b>3 replicates per sample to be sent</b></li> </ul>	

<b>Blood (Human)</b>	<ul style="list-style-type: none"> <li>• Volume: 1ml in <b>EDTA Tube</b></li> <li>• Fresh sample only</li> <li>• Storage at 4°C fridge</li> <li>• Blood samples to be submitted immediately after withdrawal</li> <li>• Results will not be guaranteed for blood samples that are more than 3 days old</li> <li>• Please enquire before collection/ submission</li> </ul>	<ul style="list-style-type: none"> <li>• Volume: 3ml in <b>Tempus™ Blood RNA Tubes</b></li> <li>• Fresh sample only</li> <li>• Storage at 4°C fridge</li> <li>• Blood samples to be submitted immediately after withdrawal</li> <li>• Results will not be guaranteed for blood samples that are more than 3 days old</li> <li>• Please enquire before collection/ submission</li> </ul>
<b>Blood (Animal)</b>	<ul style="list-style-type: none"> <li>• Volume: 100ul</li> <li>• <b>3 replicates per sample to be sent</b></li> </ul>	<ul style="list-style-type: none"> <li>• Volume: 500ul</li> <li>• <b>3 replicates per sample to be sent</b></li> </ul>
<b>Cultured cells</b>	<ul style="list-style-type: none"> <li>• Pellet form</li> <li>• <math>5 \times 10^6</math></li> <li>• Storage in -80°C freezer</li> <li>• <b>3 replicates per sample to be sent</b></li> </ul>	<ul style="list-style-type: none"> <li>• Pellet form</li> <li>• <math>1 \times 10^7</math></li> <li>• Storage in -80°C freezer</li> <li>• <b>3 replicates per sample to be sent</b></li> </ul>