RNA Isolation

Cell lines:

1. Cell disruption (if required)
2. Column-based isolation and cleanup
3. DNase treatment (if applicable)
4. QC by NanoDrop spectrophotometer and/or Agilent 2100 Bioanalyzer
   - Please refer to “RNA QC”
5. Re-purification and/or concentration if required

Tissues:

1. Tissue homogenization
2. Organic extraction-based isolation and cleanup
3. DNase treatment (if applicable)
4. QC by NanoDrop spectrophotometer and/or Agilent 2100 Bioanalyzer
   - Please refer to “RNA QC”
5. Re-purification and/or concentration if required

Whole Blood:

1. Total RNA isolaton using QIAamp®
2. QC by NanoDrop spectrophotometer and/or Agilent 2100 Bioanalyzer
   - Please refer to “RNA QC”
3. Re-purification and/or concentration if required

FFPE:

1. slicing and H&E staining (Optional)
2. macrodissection (Optional)
3. De-paraffinization
4. Column-based isolation and cleanup
5. DNase treatment (if applicable)
6. QC by NanoDrop spectrophotometer and/or Agilent 2100 Bioanalyzer
   - Please refer to “RNA QC”
7. Re-purification and/or concentration if required