



## ATAC-Seq Sample Submission Best Practices



**Review the GENEWIZ cell freezing protocol** included with your order confirmation, and follow the steps carefully when preparing your samples.



**Use an appropriate cryopreservation media**, such as cell culture media supplemented with 20% FBS and 10% DMSO.



**Cryopreserve cells** in cryovials or other appropriate tubes.



**Supply 100,000-200,000 cells** in each tube.



**Submit samples in triplicate** and specify which sample to process first in each set.



**Validate that  $\geq 90\%$  of cells are viable after thawing** prior to submission. If we determine that cells have low viability post-thaw, we may have to perform a dead cell removal step, which requires a greater number of cells for success.\*



**Carefully complete the Sample Submission Form** during online checkout and be sure to fill out all of the required fields (e.g. centrifugation speed to pellet cells, viability, and cell size).



**Print out your order receipt** and include it with your sample shipment.



**Label each tube clearly** with the sample name as it appears on the Sample Submission Form. Also, ensure the total number of samples matches the Form.



**Arrange samples in a tube rack or holder** in the order listed on the Sample Submission Form.



**Ship your samples directly to GENEWIZ** via overnight service on dry ice. Use the shipping address listed on your order receipt.



**Monitor the status of your project online** through your GENEWIZ account. The *Order Summary* page will show the latest status updates and the estimated delivery date.

\*Review the [ATAC-Seq Sample QC Workflow](#) for more information.