



# MERCURIUS

High Throughput Transcriptomics

Sample submission guideline

Cell Lysate BRB-seq Service

v.1.220201

Please read this guideline and contact us at [info@alitheagenomics.com](mailto:info@alitheagenomics.com) if you have any questions.

## Sample submission protocol at glance

1. Lyse the cells in 96 well plates following the instructions and using the provided reagents, transfer the lysates to a new PCR plate and store it at -80°C before shipping
2. Fill in the Sample Submission Form and send it to [info@alitheagenomics.com](mailto:info@alitheagenomics.com)
3. Ship the samples on dry ice and forward to us the shipment tracking number

## Consumables provided

1. Cell lysis buffer (10 mL, PN #M3031)
2. 0.1 M DTT (100  $\mu$ L, PN #M3041)
3. 96-well PCR plate
4. Aluminum seal for 96-well plate (Aluseal)

## Procedure for adherent cells in a 96-well culture plate

1. Seed the cells in a 96-well plate at the density that will enable to harvest 10,000 – 50,000 cells per well
2. Thaw a Cell lysis buffer and DTT on ice.
3. Add 100  $\mu$ L of 0.1M DTT into the tube with 10 mL of Cell lysis buffer. Invert the tube a few times to assure proper mixing of the buffer.
4. Pour a Cell lysis buffer into a reservoir (keep it on ice).
5. Gently aspirate culture media from plate and wash cells with PBS (at room temperature, 100  $\mu$ L/well) by touching the side of the wells. Avoid pipetting directly to the bottom of the wells to not disturb the cell monolayer.
6. Gently tap the plate and aspirate PBS.
7. Using a multichannel pipette, distribute a Cell lysis buffer to each well (50  $\mu$ L/well).
8. Gently tap the plate to make sure that 50  $\mu$ L was equally distributed on the surface and keep the plate on ice for 30 min, slightly agitating it from time to time.
9. After 30 min of incubation, transfer 50  $\mu$ L of cell lysate from each well to a corresponding well of new 96-well PCR plate. Preferably use a multichannel pipette and avoid intensive pipetting.
10. Seal the plate with transferred lysates with an Aluseal provided and briefly spin it down.
11. Store the lysates at -80°C before shipment.