Sample Submission Guidelines

Plant samples

This guideline summarizes the key requirements for submitting samples for single-nuclei RNA sequencing. Adhering to these guidelines will help ensure successful processing and optimal data quality. For any questions or special sample considerations, please reach out to our team before shipment.

Sample requirements for:

Single nuclei (3') gene expression
Long-read single nuclei gene expression

Sample type:

Plant tissue (snap frozen)

Sample preparation:

Harvest tissue and place in 15 mL conical tube*
Immediately snap freeze the sample in liquid nitrogen
Store in -80°C freezer until shipment in dry ice

*If sample dimensions exceed 0.5 cm, cut the sample so that it does not exceed that size.

Sample requirement:

500 mg (± 10%) per sample*
Submitting an excess of tissue may be detrimental to sample processing

*Nuclei isolation yield depends on the type of tissue samples, some having higher or lower numbers of cells per mass. If obtaining 500 mg of tissue sample is difficult, please contact admin@soluscell.com.

Deviations from these guidelines may incur in additional costs. Contact admin@soluscell.com if the requirements above cannot be achieved.

The SolusCell laboratory operate at a BSL-1 safety level. For samples classified above BSL-1, contact admin@soluscell.com.

Shipping Guidelines

1. Label each 15 mL conical tube with the ID Number provided in the electronic Sample Submission Form.
2. Place labelled 15 mL conical tubes in cardboard box labelled with the project code (XXXX-XXXX).
3. Place cardboard box in styrofoam box with dry ice. Ensure package contain enough dry ice to avoid samples thawing in case of unexpected delays.
4. Ship samples to:
   Mariana Kirst
   SolusCell
   Lab. 132
   12085 Research Dr.
   Alachua, FL 32615

Ensure your samples arrive between Monday and Friday to avoid samples sitting over the weekend.

Complete and send electronic Sample Submission Form to admin@soluscell.com.