INOMIXO Inc.
www.inomixo.com
info@inomixo.com
+1 424-291-1555

Sample Preprocessing for Immunopeptidomics

Sample Type	Sample Preprocessing
Cell line	(1) Perform trypsin digestion or directly centrifuge to recover cell pellets, then wash them with PBS 3 times. (2) Rapidly freeze the samples in liquid nitrogen for at least 20 minutes and store them immediately at -80°C. (3) Seal the sample tubes with parafilm, place them in sealed bags, and ship them to INOMIXO with dry ice. Notes: ①It is preferable to have a total cell count exceeding 5*10^7.
Tissue	(1) Following isolation from the body, promptly wash clinical tissue samples with cold normal saline or PBS to remove excess blood stains. (2) Immediately transfer the tissue into a cryopreservation tube, and after rapid freezing in liquid nitrogen for at least 20 minutes, store it directly at -80°C. (3) Seal the sample tube with parafilm, place it in a sealed bag, and ship it to INOMIXO with dry ice. . Notes: ① It is recommended to use tissue samples weighing more than 100 mg.
Whole blood	(1) Collect a minimum of 5 ml of blood using an EDTA or heparin blood collection tube containing anticoagulant, and ensure thorough mixing. (2) Ship the samples to INOMIXO within 48 hours at 4°. Notes: ① The optimal sample volume is more than 5 ml ② Discard any samples exhibiting hemolysis.

* Special blood samples containing toxic and infectious agents (such as H7N9, HIV, hepatitis B, etc.) should only be dispatched after proper processing of protein samples in a biosafety laboratory to eliminate their toxicity or infectivity.

* Samples should be protected from repeated freezing and thawing to maintain their integrity.