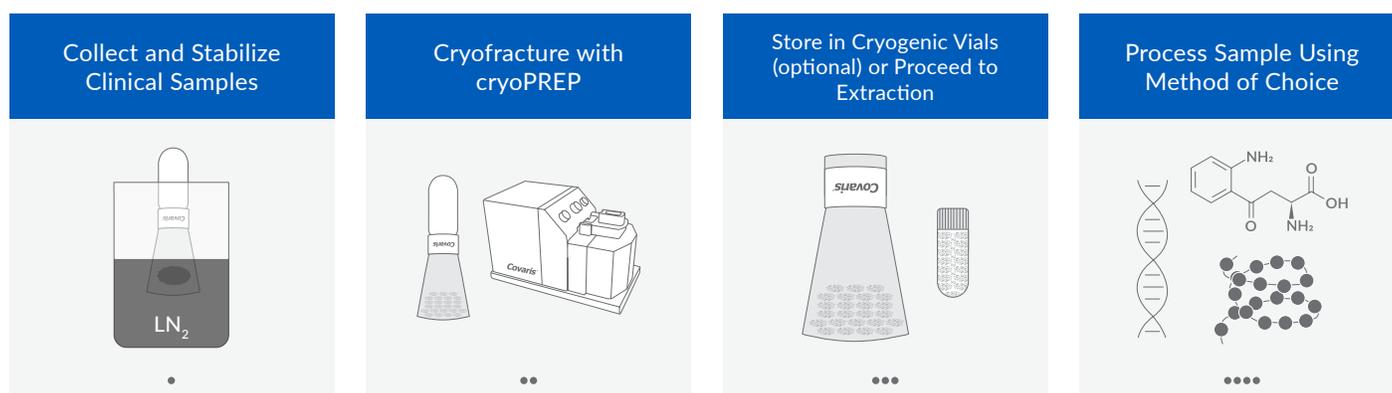
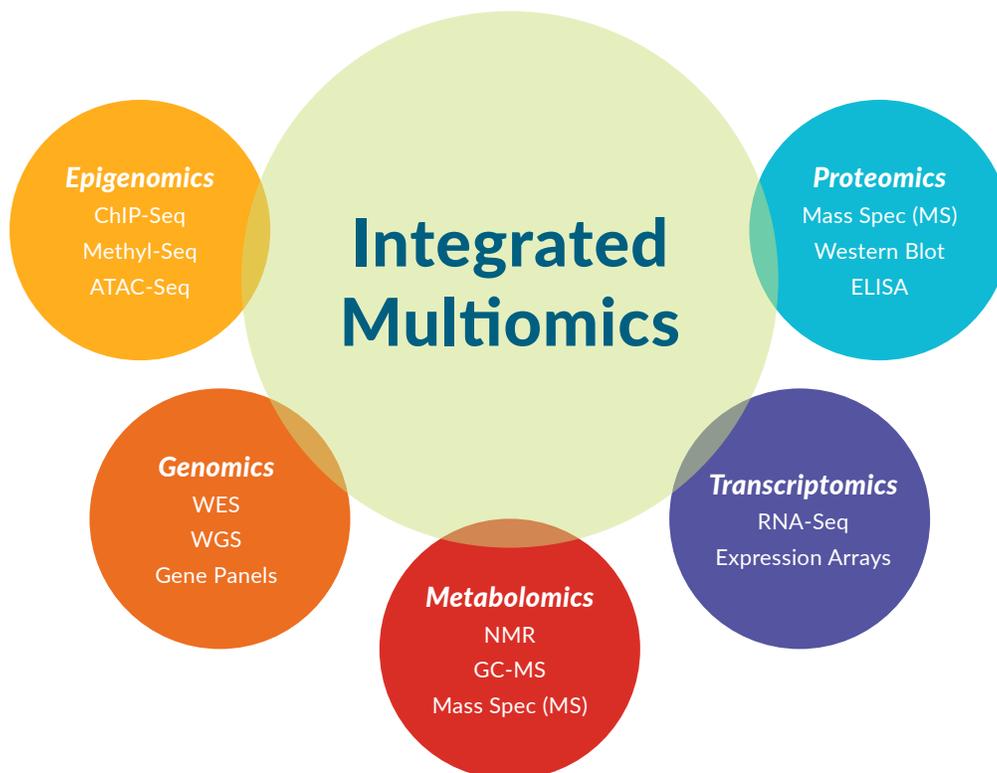


# Tissue Extraction Workflows for Clinical Applications Using cryoPREP® Dry Pulverization

## What is Dry Pulverization?

Dry pulverization is a non-contact workflow that disrupts the extracellular tissue matrix by introducing “cracks” in the cell membranes. This increases the surface area to improve lysis efficiency with extraction buffers.



## Workflow Advantages

- Non-contact, closed vessel processing method
- Simplified workflows for solid and soft tissue types
- Highest nucleic acids, small molecule, protein, and metabolite yields
- Compatible with optimized AFA-enabled extraction workflows (optional)
- Streamlined process for DMPK and ADME assays used in drug discovery programs

## Explore The Next Generation Tissue Preparation Method from Covaris

Benefits	Covaris cryoPREP Dry Pulverizer	Mortar & Pestle	Bead Beating
Highest Recovery	✓	✗	✗
Sample Preservation	✓	✗	✗
Reproducibility (Low CVs)	✓	✗	✗

## Products

Product Number	Product Name	Product Description
500001	CP02 cryoPREP Automated Dry Pulverizer (110V)	Effectively pulverizes flash frozen tissue within a mass range of 15 mg to 2 g
500230	CP01 cryoPREP Manual Dry Pulverizer	Effectively pulverizes flash frozen tissue within a mass range of 15 to 100 mg
500049	CP03 cryoPREP Manual Dry Pulverizer	Effectively pulverizes flash frozen tissue within a mass range of 2 to 10 g