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

<table>
<thead>
<tr>
<th>Benefits</th>
<th>Covaris cryoPREP Dry Pulverizer</th>
<th>Mortar &amp; Pestle</th>
<th>Bead Beating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highest Recovery</td>
<td>![Checkmark]</td>
<td>![X]</td>
<td>![X]</td>
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<td>Sample Preservation</td>
<td>![Checkmark]</td>
<td>![X]</td>
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<td>Reproducibility (Low CVs)</td>
<td>![Checkmark]</td>
<td>![X]</td>
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**Products**

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